

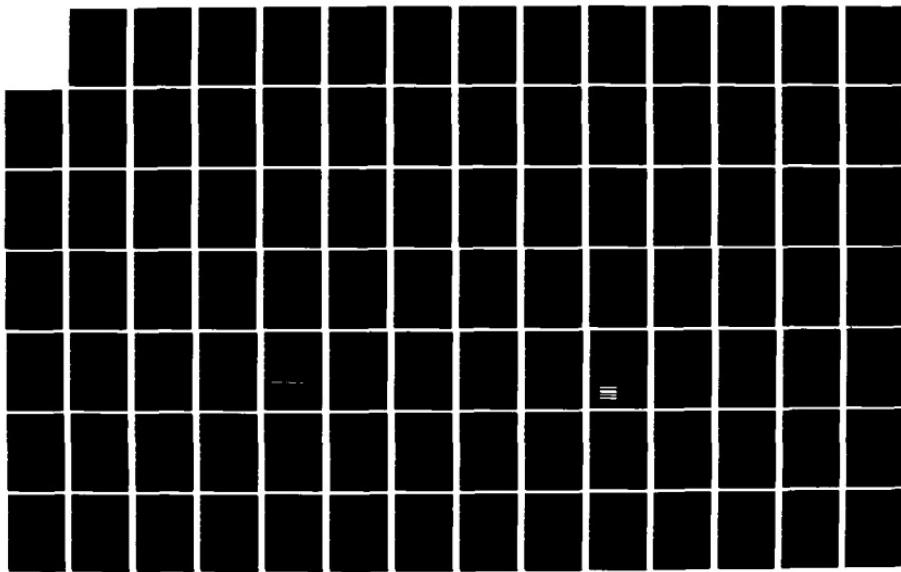
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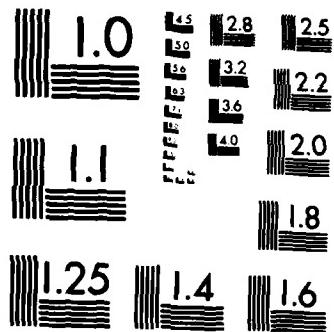
INTEGRATED TACTICAL COMMUNICATIONS SYSTEM (INTACS)
TRANSITION PLAN(U) MARTIN MARIETTA DENVER AEROSPACE CO
31 MAR 81 DRAK21-79-C-0161

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INTACS TRANSITION PLAN

Contract DAAK21-79-C-0161

31 March 1981

FINAL

Prepared for:

Commandant, USASC & FG

Fort Gordon, Georgia

Martin Marietta Aerospace

Denver Division

Denver, Colorado 80201



Q3 04 18 1981

FOREWORD

The INTACS Study required the development of a Transition Plan which would assure the timely and orderly phase-in of the Objective System. Task VII of INTACS defines the steps required for transition and describes the furnished transition guidelines. Also the Study outlines an automated process for deriving the annual equipment quantities and predicting total force implementation as a tool for management of the Plan.

A part of the automated process was implemented following approval of the INTACS Study, and expansion is planned. Additionally, two documents which provide basic transition information were prepared. The "INTACS System Architecture" updates the INTACS documentation and is used as the latest source document for INTACS applications. It includes the latest equipment descriptions and doctrinal requirements. The "Transition Architecture Requirements" was initiated to develop an extensive data base for the current, transition, and objective systems as defined in the INTACS concept.

The INTACS Transition and Management Plan was initiated in recognition of the urgency for plans that will provide an integrated package of doctrine, materiel development, procurement, integration procedures, force models, personnel, and training. It will also provide system personnel with expertise in these areas to work on a continuing basis with "agencies" to provide program/project assistance in implementation of Systems Integration Management/Transition criteria.

This INTACS Transition Plan was prepared by the Martin Marietta Corporation for the United States Army Signal Center, Directorate of Combat Developments in accordance with the provisions of Contract DAAK21-79-C-0161 and corresponds to CDRL Item AOOA.

File



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1.0 INTRODUCTION/SUMMARY

This Transition Plan provides the overall guidelines, along with the detailed procedures, for implementing the transition from current to future tactical communications systems. Through continuing coordination with the Materiel Developer, Trainer, and Logistician it will be the primary document upon which implementation actions and future planning are based. Adherence to the precepts of the plan will provide assurance that the introduction of digital communications systems and the transition to the INTACS Objective System will be accomplished in an optimum manner.

The Transition Plan is structured in a logical, sequential order to provide cohesiveness and to contribute to the ease of updating any section to maintain a single, comprehensive INTACS Transition Plan. The primary areas of the plan (Concept of Transition, Constraints, Prediction Process and Relationships, Automated Outputs) are summarized in the following paragraphs.

1.1 CONCEPT OF TRANSITION

The introduction of new equipment into the field has been relatively simple in the past because the equipment was basically compatible with existing systems and usually only part of a system was involved. With the advent of digital equipment and the inherent emphasis on system operation, careful planning for acquisition and fielding is critical in insuring that communications operational effectiveness is maintained throughout the transition period. With so many factors involved, it is essential that the implementation schedules be automated so that the managers involved can effectively control the starting, modifying and stopping of processes in accordance with the Transition Plan.

The Plan incorporates the basic phases of system integration, planning, implementation and control into a transition functional cycle as shown in Figure 1-1. The System Integration Management Office (SIMO) with its three major functions shown develops and drives the Transition Plan. This Plan contains text and illustrated procedures for the inputs and outputs of the Automated INTACS Implementation Management System (AIIMS). At any given time the Plan also contains the outputs generated from the extensive data base and collection of programs in AIIMS. A series of Force Models for current, transition and Objective Systems have been developed for AIIMS to portray an orderly, compatible method of incorporating the new equipment. The requirements and priorities reflected in the automated schedules are based on this implementation scheme. In turn, these schedules will provide the various managers and project officers who deal in implementing plans and actions with details of the Plan. As time goes on the current status of the transition is fed back to SIMO to compare Actual vs. Plan for potential adjustments in the Architecture and transition planning.

1.2 PREDICTION PROCESS AND RELATIONSHIPS

A major part of the Transition Plan deals with the processes whereby equipment acquisition and assignment to specific units can be predicted by automated means. The process is primarily budget-driven but variations may be based on equipment requirements with varying acquisition objectives or

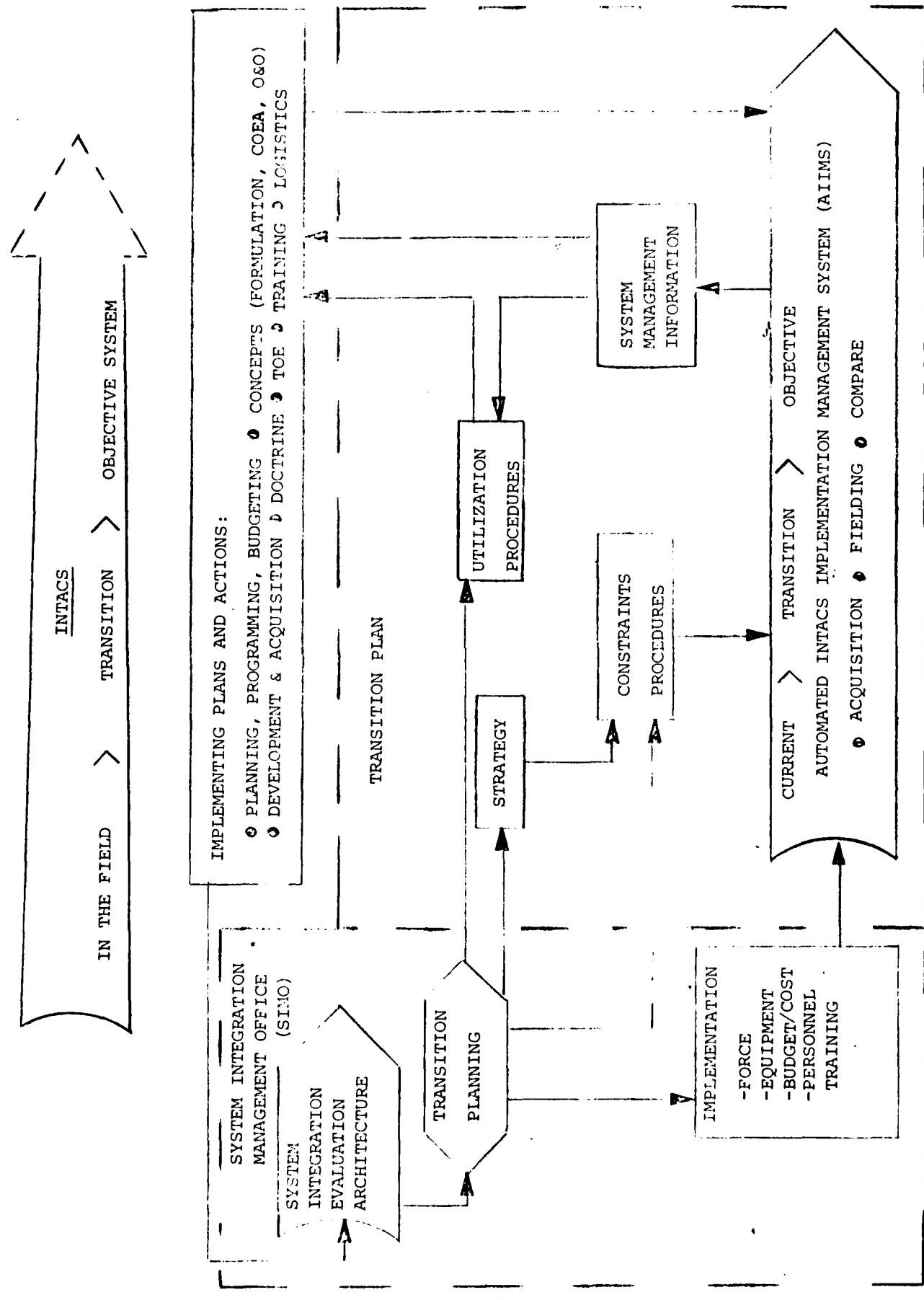


Figure 1-1 Transition Functional Cycle

changing equipment costs.

The method of forecasting the budget year buy for each equipment and the condensed version of the computer print-out is shown on the left side of Figure 1-2. The four essential inputs are: A budget amount for each year; Equipment cost; Total requirement; And amount acquired prior to the beginning year of the forecast. With this information, the equipment buy per year is predicted for as many years as desired or until the objective quantity for an equipment is reached.

With the yearly equipment quantities predicted, the specific unit assignment by budget year is accomplished by the next program. This process is shown on the right side of Figure 1-2. These assignments are made by DAMPL order but may be done by any selected scheme. The output is by equipment with unit assignment by year. Another version (Figure 1-3) lists each unit with equipment assignment by year.

By adding the additional factors shown in the center of Figure 1-2, the equipment assignments are shifted from budget year to the predicted time of actual assignments to the units in the field. At this time training requirements are injected and personnel unit assignments are predicted. This provides management with both equipment and personnel predictions as a tool for advanced planning. Figure 1-4 illustrates how the above processes fit into the equipment acquisition and fielding functional cycle.

1.3 INPUT FACTORS

A large number of inputs are required to build an automated system for the Transition Plan. These are used to create the data bases and to provide the elements for program operation. The list of inputs are shown in Table 1-1. Some of these items are initial inputs and require an update only as changes occur while others are continually changing and require periodic updates. The majority of the inputs are outside the U.S. Army Signal Center so that procedures must be established by the Systems Integration Management Office to obtain them on a timely basis.

1.4 OUTPUTS

The outputs from the Automated Transition Plan are in the forms of both reference data and planning schedules (Table 1-2). A series of Force Models were established to portray equipment in the field at various stages of transition. An equipment list for each stage as well as a master list of all equipment is available. The lists are included at Appendix D.

A Force is applied to each equipment model and a series of outputs are available to show equipment with a Force. These consist of equipment summary, equipment assemblages, components, ancillary equipment, BOI and TOE, all by Force. An example of each output is located in Appendix F.

The equipment acquisition and distribution programs operate on the above equipment and forces to produce output schedules. These schedules are both by budget year and by actual acquisition and specific unit distribution year. Examples of these schedules are in Section 5.6 of the Transition Plan.

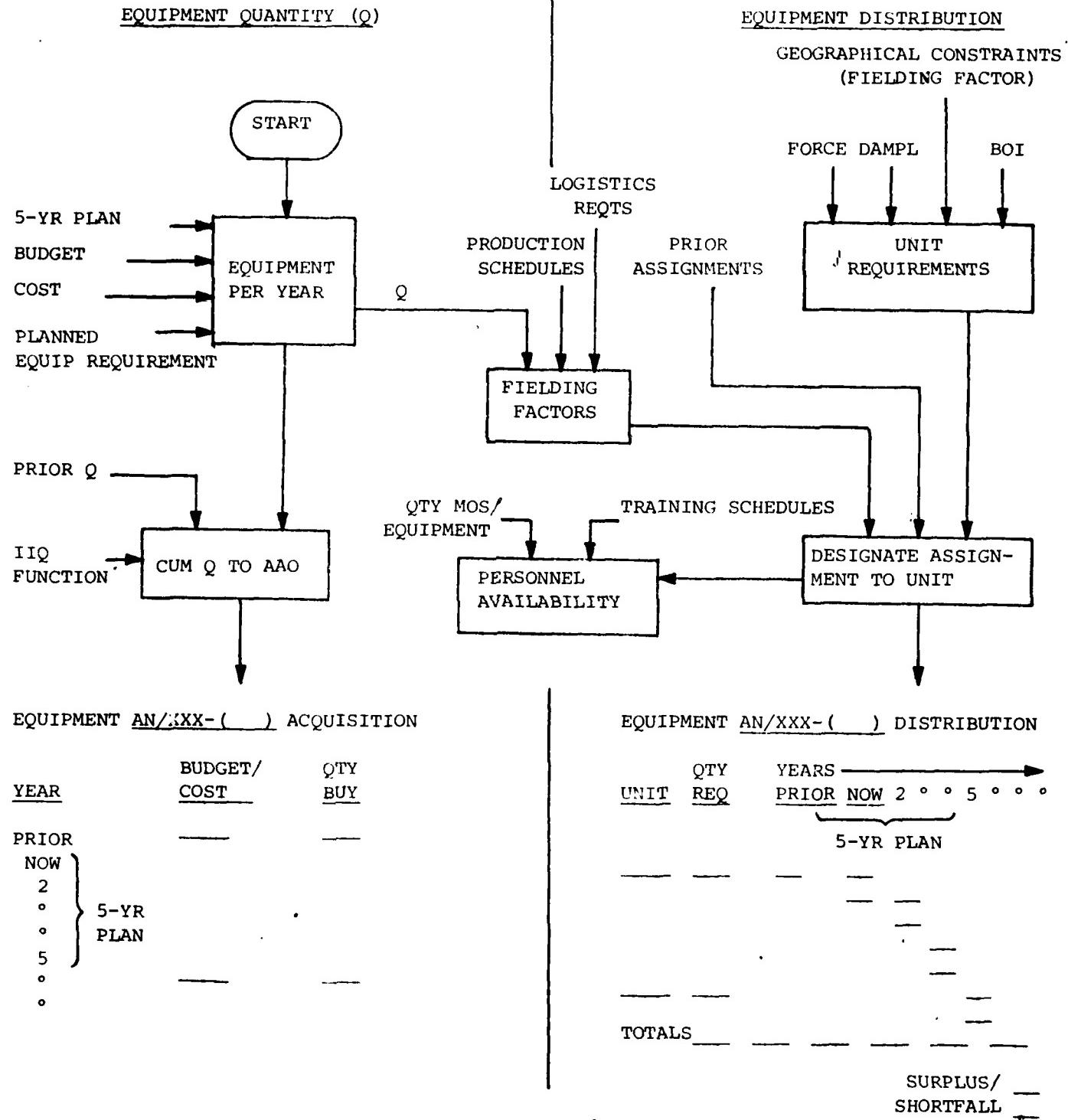


Figure 1-2 EQUIPMENT ACQUISITION AND FIELDING PROGRAMS

TITLE: EQUIPMENT DISTRIBUTION BY UNIT AND BUDGET YEAR									ALIMSP009		PAGE 1									
DATE	01/29/81	LOC	VIC	UNIT-ID	UNIT Nomenclature	SRC	***** YEAR BUDGETED *****					POST								
DANP#					USASC E FG TNG REQ	11900-000	CITY	01C	REQ	PRI	82	83	84	85	86	87	88	89	90	90
KA0061				SB-3865	AUTO SBD (30LJ)				0010											
KA1758				TSG-111(V1)	COMM NODAL CTRL ELEM				0002											
10116				KY-90	DGTL NET RAD INT UNIT				0015											
10114				TSG-111(V3)	COMM NODAL CTRL ELEM				0002											
KA0477				TA-954	DIG V3N-SEC TP				0050											
				TA-984	DIG V3N-SEC TP (INON-RUG)				0050											

Figure 1-3 EQUIPMENT DISTRIBUTION BY UNIT AND BUDGET YEAR

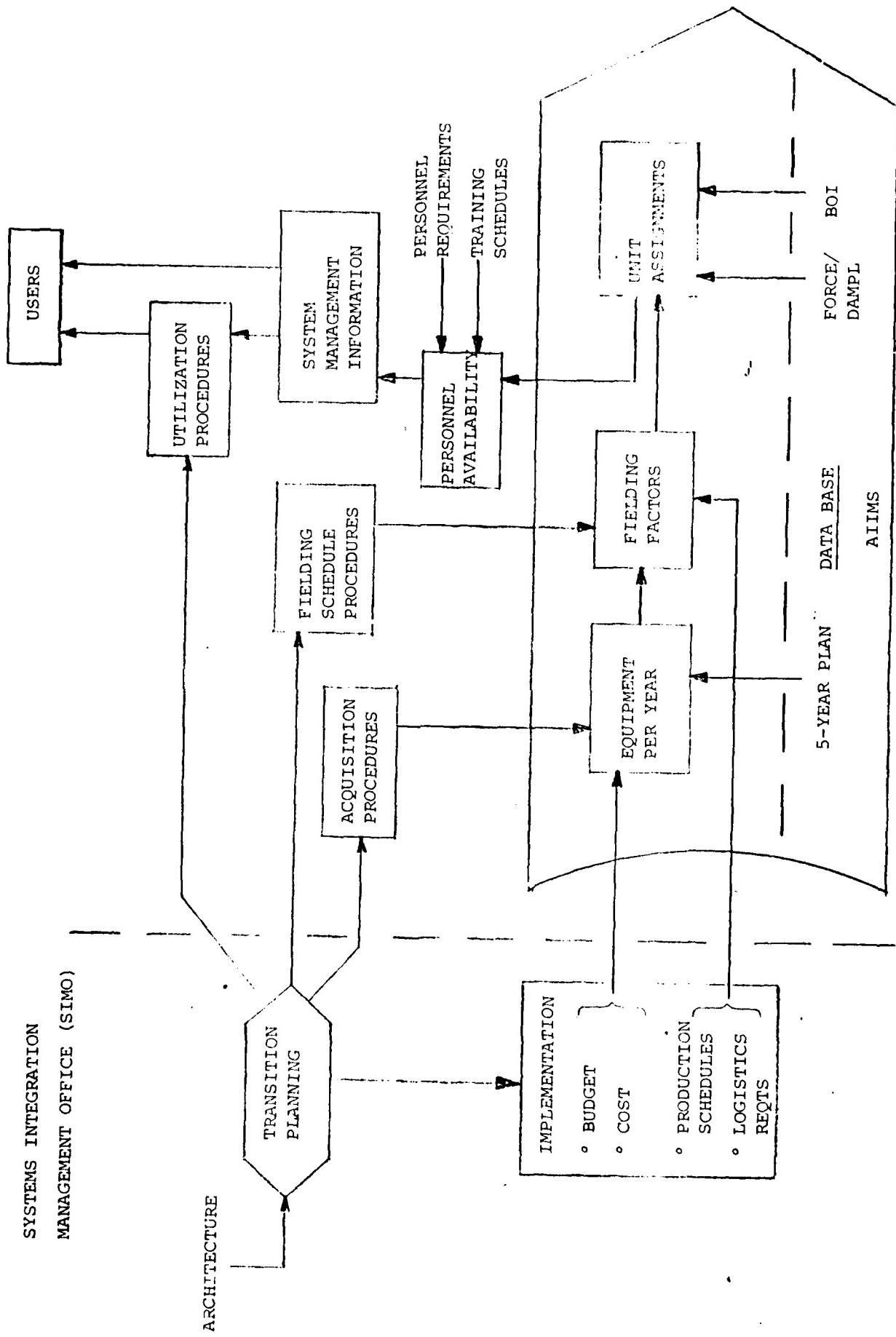


FIGURE 1-4 EQUIPMENT ACQUISITION AND FIELDING FUNCTIONAL CYCLE

<u>REQUIRED INPUT</u>	<u>SOURCE</u>	<u>FREQUENCY</u>
o Budget (Actual and Predicted)	DA Staff	Annual and WCO
o Program Objective Memorandum (POM)	DA Staff	Annual
o DA Master Priority Listing (DAMPL)	DA Staff	Annual
o Equipment Costs	DA Staff	Initial and WCO
o Initial Operational Capability (IOC)	DARCOM	Initial and WCO
o Equipment Production Rates	DARCOM	Initial and WCO
o Army Acquisition Objective (AAO)	DA Staff	Initial and WCO
o TOE and BOI	TRADOC	Initial and WCO
o Force Model Equipment Lists	SIG CEN	Initial and WCO
o Research, Development and Acquisition Committee (RDAC) Sheets	DA Staff	Annual
o Current Issue Status	DESCOM	Initial
o Issues, Turn-Ins, Redistribution	DESCOM	Quarterly
o Annual Procurement Lists	DA Staff & SIG CEN	Annual and WCO
o Training Requirements Per Equipment	SIG CEN	Initial and WCO
o MOS Course Date by Student Quantity	SIG CEN	As Required
o Attrition Factors by MOS	SIG CEN	Initial
o MOS and Personnel Quantity Per Equipment	SIG CEN	Initial
o MOS Course Lengths	SIG CEN	Initial
o Personnel Shipping Time To Unit	DA Staff	As Required
o Logistics Lead Time For Equipment	DA Staff	As Required
o Production Schedules and Rates	DARCOM	As Required

Note: WCO=When Changes Occur

Table 1-1 SIMO Required Inputs, Source and Frequency

AUTOMATED TRANSITION PLAN

BOOK 1 - EQUIPMENT FILES

Equipment Lists, Components and Assemblages

BOOK 1A FORCE/EQUIPMENT SUMMARY (Classified)

BOOK 2 - GENERIC BOI FILE

Generic Forces F-1 thru F-5

BOOK 3 - GENERIC TOE FILE

Generic Forces F-1 thru F-5

BOOKS 4 THRU 9 - FORCE MODEL FILES (Classified)

Force Models from Current and F-1 thru F-5 with Equipment, Summary,

Assemblages, Components, Ancillary Items, BOI and TOE

BOOK 10 - POM FORCE FILE (Classified)

POM Force for each Available Year

BOOKS 11 AND 11A - EQUIPMENT ACQUISITION AND DISTRIBUTION (Classified)

Acquisition and Distribution Schedules

BOOK 12 - LCM FILE

Life Cycle Management Sheets

BOOK 13 - ASMI PROGRAM FILE

Program List, Status, Schedules, User List

BOOK 14 - SYSTEM REFERENCE FILE

LIN, TOE, BOIP, Associated Computer Systems

BOOK 15 - USER PROGRAM RUNS

Acquisition, Distribution, Special Runs

TABLE 1-2 INDEX OF BOOKS FOR AUTOMATED TRANSITION PLAN

To produce Fielding Schedules, the production and logistics schedules are combined with the distribution scheme to produce schedules that show when specific equipment is due to arrive in specific units. Similarly, personnel training requirements (MOS and quantity), course lengths and transit time are combined to show personnel assignment to specific units. This permits management to compare equipment and personnel availability for compatibility and to make any necessary adjustments.

1.5 TRANSITION PLAN STRUCTURE

The Transition Plan has a logical structure which consists of seven sections:

Section 1.0 -- An Introduction/Summary of the INTACS Transition Plan and significant outputs which include implementation strategy and automated implementation schedules used by management and projects.

Sections 2.0 and 3.0 -- Summaries and references to the source document basis and justification for the implementation plan and schedules.

Section 4.0 -- Description of the implementation scheme selected from the alternatives identified and evaluated.

Section 5.0 -- Development of the selected implementation scheme into constraints and procedures for the automated scheduling of acquisition, training and fielding activities during transition.

Section 6.0 -- An assembly of the outputs from the Automated INTACS Implementation Management System (AIIMS) to provide the single Automated Transition Plan.

Section 7.0 -- The relationship to the System Integration Management Office and Management Plan and explanation of how the Transition Plan and source documents are updated in order to be viable documents.

2.0 INTACS ARCHITECTURE SUMMARY

2.1 DESCRIPTION AND USE

a. Description

INTACS System Architecture (Objective System) Refinement, Hq USASC, dated May 79 reviews the INTACS Objective System and documents the changes that have occurred in the system subsequent to its approval. Included are the latest equipment and doctrinal requirements, and the operational and deployment criteria for the system including the transitional period. It is a living document and as such will be periodically updated by Hq USASC to reflect new requirements, equipment and doctrinal changes.

The purpose of the ARCHITECTURE document is to provide the principal systems and transition guidelines which will effect all orderly transitions from current capabilities to the Objective System. Applications for transition contain many factors to include time phases, equipment phases, equipment interoperability, equipment staging and procurement. Also discussed is unit priority based on the DAMPL, which requires priority phasing. The ARCHITECTURE document is the principal reference utilized in the preparation of this Transition Plan. The document is supported by equipment O&O concepts.

b. Use

The ARCHITECTURE document should be used as the reference for INTACS applications, since it includes the latest equipment and doctrinal requirements. The Architecture's transitional applications are based upon INTACS system O&O concepts, requirements for interface and interoperability, and the capabilities and/or requirement of the contractual equipment. As such, this documentation represents the operational and deployment criteria of the system and should be used as the reference for transitional applications to identify the future tactical communications system.

c. Contents

The INTACS System Architecture - Objective System Refinement contains the following:

- Chapter 1 - INTACS System Architecture
- Chapter 2 - Communications Support Plan
- Chapter 3 - Implementation Guidelines

The contents are described below.

2.2 INTACS SYSTEM ARCHITECTURE.

This chapter includes INTACS background, summary, overview and description of the Objective system for Separate Brigade, Division, Corps, Theater Army, and Quick Reaction Forces.

2.3 COMMUNICATIONS SUPPORT PLAN.

This chapter describes the Communications Support Plan which is a detailed breakdown of the Signal organizations and equipment needed to install, operate, maintain and control the Objective System at each echelon.

It includes Signal Unit Description Sheets (UDS) which states the unit's title, TOE designator, assignment, basis of allocation, mission, organization, personnel totals, and major equipments authorized. As hardware for the Objective System becomes available to the field starting after 1980 and continues to about 1998, the UDS can be used to develop discrete Tables of Organization and Equipment (TOE) for reconfigured units on a time-phased basis. (Note: Other UDS are contained in INTACS Study Task VII).

Communications equipment for the Transition and Objective Systems are documented as Equipment Description Sheets (EDS). Each EDS describes each type item in terms of nomenclature, key number and reference, technical characteristics, capabilities, components, size and weight, and mounting. The purpose of the EDS is to enable data base recall and to document the characteristics of each type equipment required for the Objective System. Additionally, EDS on the equipment required during the transition period are included to aid in the equipment identity, modifications and upgrades of ATACS and Improved ATACS items that make up portions of the hybrid systems.

2.4 IMPLEMENTATION GUIDELINES

This chapter defines the steps required to transition from the current communications system to the Objective System for the total Army force. The following areas are discussed:

- Division communications, by phases, to include improved ATACS equipment, Division Digital Multichannel Switching Systems, and the Objective System.
- Corps communications, by phases, to include improved ATACS equipment, Corps Digital Multichannel Switching System, and the Objective System.
- Phase II Tactical Switched Communications, to include system and nodal configurations, Tactical Communications Control Facility (TCCF) Concepts and components, Multiplexers, Modems, Satellite Ground Terminals, AN/TTC-39 Circuit Switch doctrine, AN/TTC-42 Unit Level Circuit Switch doctrine, AN/TYC-11 Unit Level Message Switch doctrine, and Hybrid Transition System interoperability.
- Hybrid transition system, to include switching, multiplexing, multichannel transmission, systems, external system interfaces, and transitional and hybrid equipments.

2.5 ARCHITECTURE UPDATE

Use of the INTACS System Architecture-Objective System Refinement as a reference document for INTACS applications requires that it be kept current. The latest approved doctrine and equipment requirements are reflected in the documents.

Currently, individual items are being updated manually and printed periodically as changes.

3.0 TRANSITION ARCHITECTURE REQUIREMENTS SUMMARY

3.1 DESCRIPTION, APPROACH AND USE

3.1.1 Description

Transition Architecture Requirements Final Report (draft), Hq USASC, dated July 79, prepared under contract for the US Army Signal Center provides an extensive data base for current, transition, and objective communications systems and provides the basis for requirements statements, mission profile development, trade-off evaluation and system planning during the transition to the Objective System. This document serves as an annex to the INTACS System Architecture (Objective System) Refinement.

3.1.2 Approach

Since the development of communications systems down to user terminal level is a detailed and complex process, extensive use was made of computer models. The data presented is derived, to a large extent from a computer assisted analysis.

The original INTACS analysis and this study were based on a specific force and an extensive list of Communications Support Requirements (COMSR) stated by the combat arms and other tactical users via the COMSR program. A slice of 4 communications nodes in the Corps and 4 in the Division for the current, transition, and objective systems was selected. These nodes are representative of all others in the tactical communications system. The Traffic Flow Profiles, Simulation - Communications - Electronics (SIMCE), and Mobile Subscriber Equipment (MSE) computer programs, using the COMSR, were applied to each system to produce the detailed traffic requirements for the selected slices.

3.1.3 Use

Requirement statements as defined in the O&O concepts for the AN/TYC-39 and the AN/TTC-39 Switches as well as the Loading Requirements for the Operational Testing were the first areas to utilize the data.

Subsequent use was made for the CNCE Configurations and the INTACS Update Objective System Refinement. The data was also used in formulating the TCCF O&O concept. Currently, the most potential areas of use are for determining and refining Terminal Requirements and for the INTACS Transition Plan. Among others, extrapolation and refinement of extension system requirements can be made for any Force Model under consideration. Currently, the data is being examined for inclusion in the Unit Level Switch (ULS) O&O concepts.

3.2 TRANSITION NETWORKS - CORPS AND DIVISIONS

3.2.1 Corps Transition Networks

Transitional Architecture Requirements provides extensive details on corps communications networks based upon studies of three types of networks: 16-node voice, 12-node voice, and 4-node message network. All transition phases are examined. They include the current ATACS (ALPHA concept), improved ATACS (BRAVO), early hybrid transition, late hybrid transition, and the objective system. The improved ATACS and early hybrid are examined in the Corps 16-node network. The Corps Communications System employs multichannel radio and cable communications facilities to provide service on both a command and area basis in today's ALPHA Concept. The command multichannel systems provide direct links from Corps Main to attached Divisions and other major subordinate units, from Corps Artillery to major subordinate artillery units and from Corps ADA to ADA Battalions and batteries.

The Area System is employed as a grid network capable of providing up to 16 Corps Area Signal Centers installed, operated, and maintained by the Corps Signal Brigade and its assigned battalions and companies. The area nodes are interconnected with LOS multichannel links.

The late transition and objective systems are examined in the Corps 12-node integrated network. In the 12-node Corps network there is a message switch (AN/TYC-39) at each of 4 area nodes. The remaining nodes have unit level message switches (ULMS) which connect to major switches

(AN/TYC-39) which provide user access to the switched system. This network provides message (store-and-forward) switching service to users in the Corps.

Network performance is graphically shown, as measured in terms of grade-of-service (GOS) which is determined by the peak busy hour traffic to be passed over a link, and channel capacity of that link.

3.2.2 Division Transition Networks

Transitional Architecture Requirements also provides details on Division Communications networks. All transition phases are examined. They include the current (ALPHA concept), improved ATACS (BRAVO), transition integrated and the Objective System.

The Division BRAVO and transition integrated systems have 13 multichannel nodes within the Division with 2 access nodes to corps and 1 to each adjacent Division. The units below Brigade level in the forward area gain access through wire and cable.

The Division objective system is structured around the Mobile Subscriber Equipment (MSE) and interfaces the remaining LOS multi-channel, tactical satellite and single channel radio. 6 Mobile Subscriber Centrals (MSC) are deployed along with 275 Mobile Subscriber Terminals (MST) and 60 Access Units (AU) to form the Division multichannel system through the Brigade level. Corps units which provide support within the Division area have organic MST and AU to provide their own access into the system. In addition to the Objective Division System, simulations were made with 9 and 12 Centrals as a basis for comparison. An alternative candidate, also simulated, was a Division Command/Area System in which both doctrine and equipment deployments were changed. Network performance for the Division networks is measured the same as in the corps networks.

3.3 TRANSITION NODE FUNCTIONS - CORPS AND DIVISION

Transitional Architecture Requirements provides details of the Corps and Division Nodes, including all transition phases. For each of four nodes in Corps and four nodes in Division and associated extensions, details of units served, switches, trunk requirements, voice and record terminals are illustrated. The trunk capacities and quantities of specific terminal requirements are based on computer modeling using Communications Support Requirements (COMSR). These architectural details are available as examples of the detailed equipment deployment which must be done to insure interoperability.

4.0 IMPLEMENTATION SCHEMES

Selecting the most effective implementation scheme should assure that the introduction of digital communications and the transition from one system to another is in an optimum fashion without jeopardizing the operational readiness of the Army.

This section of the INTACS Transition Plan describes the recommended implementation scheme which is based on the evaluation of current and alternative schemes. Data from the INTACS Architecture documents described in preceding Sections 2 and 3 has been used to emphasize equipment complexity and availability aspects and as a basis for evaluating the alternative implementation schemes.

4.1 IMPLEMENTATION SCHEME ALTERNATIVES

The technical and time phases must be developed to transition equipment into units while maintaining communications integrity, interfaces and continuity of operations. This section defines current and alternative strategies/schemes for deployment of transition equipment, incorporating force size, compatible communications subsystems, production schedules, and training packages. The criteria of selection (described in following section 4.2) will be operational requirements, continuity of operations, future operations/equipment, flexibility and interoperability. For each alternative scheme, consideration is given to the complexity of new equipments and subsystems and to availability as related to yearly POM and Objective forces.

4.1.1 Equipment Types and Availability

Data from INTACS Task VII and INTACS Architecture documents are used in this section to emphasize the dependence of implementation scheduling on equipment constraints.

As indicated in Figure 4-1,¹ scheduling of the implementation of forces by priority depends on budget and cost, equipment types (Improved ATACS and Objective) and equipment availability (IOC and production rate) constraints. It will be concluded that increasing complexity of equipment types and their varying availabilities are major factors to be considered in selecting the most effective implementation scheme.

¹INTACS TASK VII, Figure 4-2

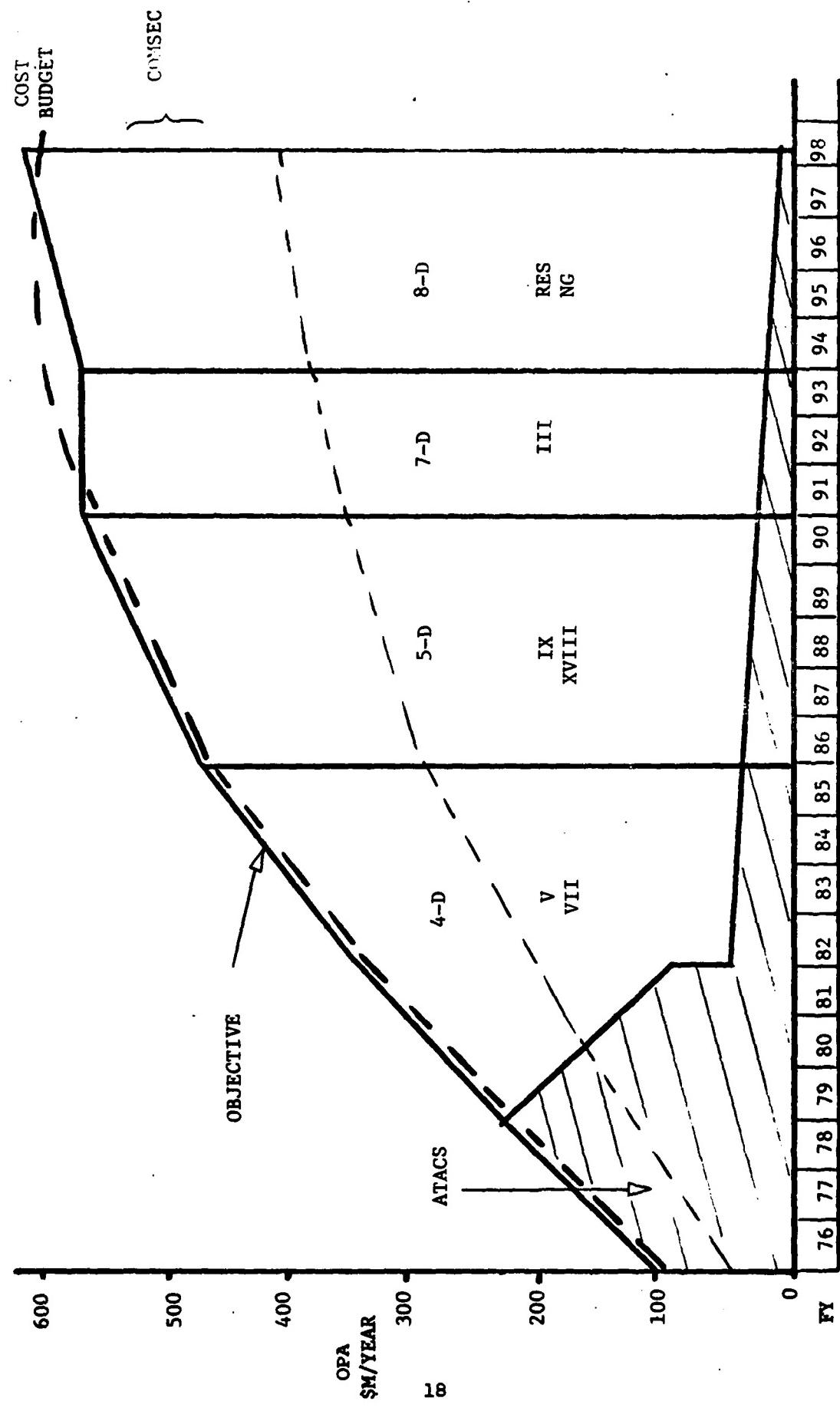


Figure 4-1 Implementation Schedule

Obviously, the cost of equipment compared to budget determines how much of the force can be implemented in any period of time.

As described in the INTACS Architecture², improved ATACS hardware programs were structured to alleviate the deficiencies in current ATACS. Improvements are in the areas of high capacity, digital data combining and satellite transmission, automatic small switches, end-to-end security and fast response technical control. In most cases, these hardware programs were structured prior to the finalization of comparable TRI-TAC equipment plans, and subsequently, have been reduced to providing improvement of the Priority 1 Forces and to establish the base transitional system.

Critical items that are essential to the transition phases and to the accomplishment of the Objective System are the TD-1065, TD-1069, TD-976 digital combiners, AN/GRC-103 Band IV heads, AN/UGC-74, SB-3614, C-6709 BNRID, and TA-978(SWAT). Equally important are the Product Improvement Program (PIPs) that incorporate this equipment in the multi-channel systems assemblages. The initial operational capabilities (IOC) for the improved equipment are shown in Figure 4-2, marked with the letter A.

Objective System equipments and subsystems become much more complex than Improved ATACS requiring concerted efforts in training and in coordinated transition planning. The IOC's for the Objective equipments are shown also on Figure 4-2 marked with the letter O. The Objective equipments and capabilities are as follows:

LOS Transmission. Multichannel assemblages and product improved radios that provide 18/36/72/144 channel transmission systems, using the AN/GRC-103, and AN/GRC-144 modified radios.

Digital TROPO. Provides improved transportability for the tactical environment, modular growth in both channel capacity and range, and includes a securable TROPO means.

Short Range Wide Band Radio (SRWBR). Augments the cable system which connects the node technical control with the radio park transmission equipment.

²INTACS Architecture, Implementation Guidelines

FIGURE 4-2 MAJOR EQUIPMENT AVAILABILITY - IOC AND PRODUCTION RATES APPROXIMATE PRODUCTION RATE (QTY/YR)

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	
MULTICHANNEL TRANSMISSION:											
LOS - TD-1065 HSDB	(A)	—	—	—	—	—	—	—	—	—	—
TD-1069 TDDM	(A)	—	—	—	—	—	—	—	—	—	—
AN/TRC-173; AN/TRC-174	(O)	—	—	—	—	—	—	—	—	—	—
TROPO-DIGITAL AN/TRC-170	(O)	—	—	—	—	—	—	—	—	—	—
SRWBR AN/TRC-175	(O)	—	—	—	—	—	—	—	—	—	—
TACSAT -FDMA TSC-85; TSC-93	(O)	—	—	—	—	—	—	—	—	—	—
-DATDMA (MCOS)	(O)	—	—	—	—	—	—	—	—	—	—
MSE - CENTRALS/ TERMINALS	(O)	—	—	—	—	—	—	—	—	—	—
TELEPHONE TERM FACILITIES-PIP											
TACTICAL COMMUNICATIONS CONTROL	(A)	—	—	—	—	—	—	—	—	—	—
FACILITIES (TCCF) :	(A)	—	—	—	—	—	—	—	—	—	—
TSQ-84A	(A)	—	—	—	—	—	—	—	—	—	—
20 TSQ-85	(O)	—	—	—	—	—	—	—	—	—	—
CNCE	(O)	—	—	—	—	—	—	—	—	—	—
DGM	(O)	—	—	—	—	—	—	—	—	—	—
CSCE/ CSPE	(O)	—	—	—	—	—	—	—	—	—	—
CIRCUIT SWITCHING:											
TTC-38(17)	▽ (A)	—	—	—	—	—	—	—	—	—	—
SB-3614	△ (A)	—	—	—	—	—	—	—	—	—	—
TTC-39	(O)	—	—	—	—	—	—	—	—	—	—
ULS TTC-42; SB-3865	(O)	—	—	—	—	—	—	—	—	—	—
TELEPROCESSING (RECORD TRAFFIC):											
MSG SWITCH TYC-39	(O)	—	—	—	—	—	—	—	—	—	—
DATA ADAPTER (DELETED)	(O)	—	—	—	—	—	—	—	—	—	—
TDF UXC-4	(O)	—	—	—	—	—	—	—	—	—	—
COED (SEE MRTT)	(O)	—	—	—	—	—	—	—	—	—	—
MRTT	(O)	—	—	—	—	—	—	—	—	—	—
IOC - as of 1975	(A)	ATACS									
▽ IOC - as of 1979	(O)	OBJECTIVE									

FIGURE 4-2 Cont'd

MAJOR EQUIPMENT AVAILABILITY - IOC AND PRODUCTION RATES

APPROXIMATE
PRODUCTION
RATE

	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	APPROXIMATE PRODUCTION RATE (QTY/YR)
TELEPHONES:											
TA-838 (2500)	(A)										
TA-938	(A)										
TA-978 (SWAT)	(A) -	-									
DSVT KY-68	(O) -	-									
DVNT TA-954	(O) -	-									
COMSEC:											
VINSON KY-57; KY-58	-										
VLNDAL	-										
PARKHILL (LIMRQMT) KY-65; 75	-										
TENLEY/SEELEY (TRITAC)	(O) -										
WIRE AND CABLE:											
TD-206	(A)										
TD-982	(A)										
DGM & MODEMS	(O) -	-									
SINGLE CHANNEL:											
TACSAT - UHF PSC-1	(O) -										
- UHF MSC-65	-										
- SHF DATDMA (SCOTT)	(O) -										
SINGCARS											
- TRANSMISSION											
- BNRID C-6709											
- SDNRRIU KY-90											

TELEPHONES:

- TA-838 (2500)
- TA-938
- TA-978 (SWAT)
- DSVT KY-68
- DVNT TA-954

COMSEC:

- VINSON KY-57; KY-58
- VLNDAL
- PARKHILL (LIMRQMT) KY-65; 75
- TENLEY/SEELEY (TRITAC)

WIRE AND CABLE:

- TD-206
- TD-982
- DGM & MODEMS

SINGLE CHANNEL:

- TACSAT - UHF PSC-1
- UHF MSC-65
- SHF DATDMA (SCOTT)

SINGCARS

- TRANSMISSION
- BNRID C-6709
- SDNRRIU KY-90

IOC - as of 1975
 IOC - as of 1979

(A) ATACS
(O) OBJECTIVE

10,029
 3Q87

63
 4Q90

11,872
 3Q87
 2Q86

Tactical Satellite Communications. Time Division Multiple Access (TDMA) and Demand Assigned Multiple Access (DAMA) provides improved efficiency.

Mobile Subscriber Equipment (MSE). Automatic radio-telephone system replaces the multichannel transmission and wire switching equipment in Division operations.

Nodal Control. Family of Communication Nodal Control Element (CNCE) using computer and logic systems to provide multiplexing, electronic patching, testing and technical control. Also provide for nodal management functions and data base files.

Communications-Electronics System Control and Planning (Management). Family of Tactical Communications Control Facilities (TCCF) using computer and logic systems to provide electronic control of long range, near time, and day-by-day control and management of the total communications system.

Electronic Digital Circuit Switch System. New electronic nodal, intermediate and unit-level provide for analog, digital, and digital secure service for users at all echelons.

Modular Record Traffic System. High speed message devices, with store and forward operations through message switches. Also ~~commcens~~.

Digital Group Multiplex (DGM). Family enables transmission of 16/32 kb/s digital secure voice and data in groups ranging from 4.5 to 144 channels.

Hybrid/Transitional System. Hybrid/transition systems are composed of improved ATACS and INTACS equipments, or some subset thereof, needed to maintain optimum operation while satisfying the user requirements. Applications and scenarios of these systems will vary with time, echelon of deployment, and force priority. In general, hybrid/ transitional operations will begin with the fielding of the first INTACS equipment and continue through the late 1990's.

As shown in preceding Figure 4-1, early FY 1998 is predicted as the time when the total force can be equipped with the Objective System within the budget, cost and equipment constraints which were established in 1975. Completion and adjustments of equipment acquisition schedules

by automated means (AIIMS)³ eventually should provide greater accuracy than this initial manual prediction in Figure 4-1. The current (8/79) IOC run from AIIMS is plotted on Figure 4-2 also to show slippage from the 1975 predictions. Most of the equipment IOC's are predicted later and the slippages range from 3 months (TD-1065; TD-206) to 108 months (TACSAT-DATDMA-Multi-channel objective system). The average slippage is over 24 months. Of particular interest is the slippage of the Mobile Subscriber Equipment from 1984 to 1988 (51 months).

Figure 4-2 also shows the approximate required production rates for the 11 major equipments that were the pacing items on which the initial implementation prediction was based. For each of the implementation priority force categories (Figure 4-1) the annual production rates were computed to satisfy the worst case situation. Then, it was determined that the production rates presented in Figure 4-2 were consistent with those in TACOMAP, with a few exceptions, described below. Tactical Communications System Master Plan (TACOMAP) was the Transition Plan in 1975 (See Appendix A).

• Multichannel TACSAT TDMA Terminal - The original (1975) IOC date of mid-1985 allowed only six months in the Priority 1 time frame to produce 57 terminals. This greatly exceeds even the annual production rate of similar type terminals identified in TACOMAP. Therefore, the IOC date should have been either earlier than mid-1985 to permit a more manageable rate of production, or the completion of Priority 1 can not be the end of FY-85 as predicted. The currently predicted IOC is over two years later as indicated in Figure 4-2.

• CSCE/CSPE - As with the preceding item, the original IOC date allows only six months in the Priority 1 period to produce 21 items, far exceeding the rate indicated in TACOMAP. Either an earlier IOC date is necessary, or completion of Priority 1 must be delayed. This is one of few cases where the current IOC dates is earlier by over a year than that predicted in 1975.

³Automated INTACS Implementation Management System Users Manual

SINCGARS - The estimates indicate that approximately 1000 more radios are required in one year to meet the worst case situation (Priority 1 implementation time frame) than TACOMAP reflects are to be procured on an annual basis. Again, earlier IOC would alleviate this slight disparity. Instead, the currently projected IOC dates are later by almost four years; the TRADOC System Manager indicates an attempt to improve the IOC date.

It can be concluded from the foregoing paragraphs that increasing complexity equipment types and their varying availabilities are major factors to be considered in selecting the most effective implementation scheme.

4.1.2 Implementation Scheme Alternatives

The alternative schemes herein were prepared in consonance with the contractual requirement to consider as a minimum:

- o Equipment Considerations: 1) equipment-by-equipment as various IOC's are reached, 2) By subsystem packages, e.g., AN/TTC-39/AN/TTC-42/SB-3865/DSVT/DNVT. Identify minimum quantities required to field each subsystem.
- o Fielding Considerations: 1) Unit-by-unit as equipment IOC's are reached, 2) Geographical considerations, e.g., equip entire Corps, Division, Brigade before starting next Corps, Division, Brigade, 3) Training requirements/impacts.
- o Execution: 1) Unit stand down, 2) Team and equipment assembled in States. Relieves team on site. Team relieved becomes nucleus of new team.

In addition to the foregoing, also considered was 1) Communications Systems Operations training, and 2) A single, comprehensive, Automated Transition Plan responsive to changes.

Each of the current and alternative implementation schemes summarized in Table 4-1 are defined in succeeding paragraphs.

ALTERNATIVE 1. CURRENT-DIVISIONS & SEPARATE UNITS

The current implementation scheme is the one actually in effect for the near past and today. Communications equipment is issued to U.S. Army organizations/units in accordance with the DA Master Priority lists (DAMPL) in order of priority and/or geographic disposition. Based upon rate of flow of equipment from the production lines, every effort is made to complete a division or separate unit before proceeding to another organization/unit. After the divisions and separate units within a geographic area have been equipped, Corps and Theater Army organizations are equipped. Each geographic area is usually completed before proceeding to another area. Communications equipments are fielded as subsystems but are sometimes fielded less components when basic functions can be provided. Such missing components must not degrade the Continuity of operations (CONOPS) and Interoperability (INTEROP).

TABLE 4 - I TRANSITION IMPLEMENTATION ALTERNATIVE SCHEMES

ALTERNATIVES FACTORS	1 CURRENT: DIVISIONS & SEP UNITS	1A DIVISIONS & SEP UNITS	2 DIVISIONS & SEP UNITS	3 BATTALIONS & SEP COS	4 MISSION CHANGE (STAND-DOWN)	5 TEAM & EQUIPMENT REPLACEMENT
FORCE PRIORITY	DAMP1					
FORCE LOCATION	GEOGRAPHIC DISPOSITION					
FORCE SIZE	DIVISIONS & SEPARATE UNITS			BATTALIONS & SEPARATE COMPANIES	DIVISIONS & SEPARATE UNITS	TEAM
26 FORCE MISSION	SAME				CHANGE (STAND-DOWN)	TEAM & EQUIPMENT CHANGE
EQUIPMENT PACKAGE	INCOMPLETE SUBSYSTEMS					
TRAINING	SCHOOL NETT UNIT			SCHOOL, UNIT, SYSTEMS	SCHOOL, UNIT	
LOGISTIC SUPPORT	PARTS, TOOLS, TEST EQUIPMENT, PUBLICATIONS					
TRANSITION PLAN	MANUAL	AUTOMATED				

Training is accomplished by service school(s) for complicated equipment and by the using organization/unit for less complicated equipment using exportable service school produced training material. In either case, New Equipment Training Teams (NETT), provided by the Materiel Readiness Command, will normally accompany the initial fielding of the new hardware. Accompanying the fielded equipment is the Logistic support package consisting of spare and repair parts, tools and test equipment, software support, and publications required for training and support.

The current equipment, when replaced is issued to lower priority units in accordance with instructions from the Materiel Readiness Command.

A single, up-to-date Transition Plan covering current through Objective time frames does not exist. Instead, transition is governed by manual, time-consuming methods that are not responsive to changes. Being of a manual nature, the transition plan is subject to error and lacking in flexibility. Per AR 105-1, Telecommunications Management, transition is governed by Tactical Communications System Master Plan (TACOMAP), Hg DA, dated 1 July 1975, but this document has not been updated since then. As described in Appendix A the current transition planning consists of planning by objective, the outputs of the Product Improvement Program (PIP) and TRI-TAC and RDAC Worksheets.

ALTERNATIVE 1A. DIVISIONS & SEPARATE UNITS, AUTOMATED PLANNING

Implementation Details: same as Alternative 1

Training: same as Alternative 1.

Logistic Support: same as Alternative 1

Transition Plan: Planning is accomplished with a single, comprehensive plan supported by an anticipated expanded Automated INTACS Implementation Management System (AIIMS) which responds accurately and timely to changes in its many inputs. The capability of AIIMS serves as a powerful planning tool for controlling the transition and objective implementation actions, including acquisition, training and fielding schedules plus supporting documentation/reports. The power of AIIMS derives from the ability to remember and quickly manipulate the extensive data base of related elements

necessary to effective implementation planning. Changes can be quickly incorporated to account for variances from actual conditions and to allow optimization of the plan. Impacts of input and constraint modifications can be forecast almost immediately after the change.

**ALTERNATIVE 2. DIVISIONS & SEPARATE UNITS, AUTOMATED PLANNING,
SYSTEMS TRAINING**

Implementation Details: same as Alternative 1.

Certain subsystems must be fielded as procurement packages to insure system operational capability, such as the AN/TTC-39. The replaced equipment and team will be used to replace manual equipment assets. Planning and keeping track of this is difficult and time consuming by manual methods, and therefore must be automated to provide proper implementation, integrated logistics support, transition planning, and training impacts.

Logistic Support: same as Alternative 1.

Transition Plan: same as Alternative 1A.

Training: Training is accomplished by service school(s) for complicated equipment and by using organization/unit for less complicated equipment using exportable service school produced training material. Due to the complexity of new and future equipment/software, systems and subsystems, additional systems training at the organizational/unit level is becoming necessary. This alternative envisions the activation and training of TRADOC Signal School) Communications Systems Operations Teams (CSOT) whose functions would be:

- To train key personnel (S3's, C-E Staff Personnel, and Commanders) in planning and management of the system/subsystems. Training would include, but not be limited to, interoperability requirements, radio and wire net planning and management, general communications planning, inter-relationship of subsystems (e.g., transmission, switching, nodal and interface control, contingency planning, frequency management, and traffic engineering.
- To train the system users (subscribers) accenting capabilities and limitations of the equipment and system and courses of action to take in the event of disruption of service. Because of the great numbers of users within a division size organization, such training would be conducted for key (cadre) personnel, who, in turn would train the balance of the users.

For specific procurement packages, such as the AN/TTC-39, there may be a requirement for a CONUS-trained team to accompany the equipment.

ALTERNATIVE 3. BN & SEPARATE COMPANIES

Communications equipment is issued to U.S. Army Battalions and separate companies in accordance with the DA Master Priority List (DAMPL) in order of priority and/or geographic disposition as in the current scheme (Alternative 1). Equipment is fielded as in Alternative 1 (CURRENT). Each geographic area is completed before proceeding to another area as in the current scheme (Alternative 1). The current equipment, when replaced, is issued to lower priority units in accordance with instructions from the Materiel Readiness Command. (same for all schemes).

Training: same as Alternative 1.

Logistic support: same as Alternative 1.

Transition Plan: same as Alternative 1A.

ALTERNATIVE 4. MISSION STAND-DOWN

Communications equipment is issued to U.S. Army Divisions and separate units in accordance with the DA Master Priority List (DAMPL) in order of priority and/or geographic disposition as in the current scheme (Alternative 1). Equipment is fielded as interoperable subsystems. Each organization/unit's mission is changed to permit simultaneous equipment change and training. Each geographic area continues to be completed before proceeding to another area. The Current Equipment, when replaced, is issued to lower priority units in accordance with instructions from the Materiel Readiness Command. (same for all schemes).

Training: same as Alternative 1.

Logistic Support: same as Alternative 1.

Transition Plan: same as Alternative 1A.

ALTERNATIVE 5. TEAM & EQUIPMENT REPLACEMENT

A communications team is trained by service school(s) and assembled together with new communications equipment in the CONUS. The team and equipment is transported and assigned to a specific unit in accordance with the DA Master Priority List (DAMPL) in order of priority and/or

geographic disposition as in the current scheme (Alternative 1). Unit training is conducted so as to integrate the newly assigned team and equipment into the unit. The team replaced would be sent back to CONUS to be trained for further assignment. The current equipment is issued to lower priority units in accordance with instructions from the Materiel Readiness Command. (same for all schemes).

Logistic Support: same as Alternative 1.

Transition Plan: same as Alternative 1A.

4.2 SELECTION CRITERIA.

As elaborated in preceding section 4.1.1 using published INTACS data, the major factors to be considered in selecting the most effective implementation scheme are: increasing complexity of equipments and their varying availabilities. These factors lead to the choice of flexibility of planning/management and amount of training commensurate with complexity as the major criteria used for selection from the alternatives. These two criteria will be measured in quantitative terms as much as possible. Quantitative knowledge is the amount or extent of the attributes of the scheme in terms that are capable of being counted. It is information that is capable of being expressed in numbers.

There are other criteria such as continuity of operations and interoperability that are paramount in the selection of the implementation scheme from the alternatives. Since expression in quantitative terms is difficult, these criteria will be measured in qualitative terms. Qualitative knowledge is descriptive of distinctive characteristics of the scheme in terms such as more, better, maximum.

4.2.1 QUANTITATIVE CRITERIA.

4.2.1.1 Flexibility of Planning/Management.

a. Definition - the ability to plan/manage introduction, delete, add, delay equipment/components/software with a minimum of confusion or disruption among materiel, training and tactical managers. (INTACS, Task III).

b. Flexibility is difficult to measure directly in quantitative terms. Instead, the number and amount of delays in equipment

IOC's (Figure 4-2) will be used to indicate the necessity for automated planning and timely support for management. Each of the slipped IOC dates disrupts the transition plan leading to difficulty in performing managerial decisions and actions until a new plan can be developed. A manual transition plan is not flexible to changes while an automated plan can quickly and accurately respond to IOC and other changes.

4.2.1.2 Amount of Training.

a. Definition - total or complete training consists of systems management and operations training in addition to institutional (service school) and unit training to include technical (equipment) operational- and procedural. That is, some individuals who have received technical and operational equipment training must receive further training in systems operation in the mission environment.

b. Evaluation of alternatives will relate the amount of training to a quantitative indication of the new and significantly different equipments in transition and Objective systems relative to today's system. The implication is that the amount of training should be commensurate with new equipment in the systems being introduced. Evaluation will also consider actions taken to incorporate additional training into current training programs.

4.2.2 Qualitative Criteria.

4.2.2.1 Continuity of Operations (CONOPS).

a. Definition - those methods and procedures used to insure that the function/mission of the individual system can still be accomplished even though there is some degradation in system operation (DA PAM 11-25, Para B-8). (Note: USASC&FG requires there be no degrading).

b. Evaluation of each alternative using the criterion is accomplished by considering the number and duration of disruptions to the system caused by the fielding of new equipment/software. Such disruptions would be considered only if they affected the accomplishment of the function/mission. Also to be considered are current and future operational/

equipment requirements.

4.2.2.2 Interoperability.

a. Definition - the capability of two or more items or components of equipment to perform essentially the same function or to complement each other in a system regardless of differences in technical characteristics and with negligible additional training of personnel (AP 310-25).

b. Evaluation of each alternative using this criterion is accomplished by considering each case of failure to interoperate and the effect of such failures on the assigned mission. It would be measured on a "GO - NO-GO" basis. Also to be considered are the requirements for hybrid operation.

4.2.2.3 Timeliness of Training.

a. Definition - the scheduling of training so as to minimize the amount of time between completion of training and assignment of the trained personnel to the new equipment/software in its mission environment (INTACS, Task III).

b. Evaluation of each alternative using this criterion is accomplished by considering the elapsed time between completion of training and beginning of operation, by trained personnel on the new equipment/software. The greater the elapsed time, the less the retention of knowledge.

4.3 EVALUATION.

4.3.1 Flexibility of Planning/Management.

As shown in preceding Figure 4-2, only 4 of a total 48 end items have not experienced slippages in IOC dates. Many of these items have had multiple slippages resulting in extreme difficulty of planning, keeping track and management. Additionally, in many cases, the slippage of one item may affect the fielding of a companion item. The slippages range from 3 months (TD-1065, TD-206) to 108 months (TACSAT multi-channel objective system) with an average slippage of over 24 months. This indicates the current alternative scheme 1 is less than satisfactory in that it uses a manual transition plan not flexible and timely to changes. All other alternative schemes have the automated transition plan which

responds accurately and timely to changes, including a multitude of IOC dates, as well as changes in budget, procurement, and training dates.

4.3.2 Amount of Training.

Scheme 2 provides the most (optimum) training, in that it makes provision for communications system operations training for not only the equipment operators/maintainers but also for the planners, managers and users of the system.

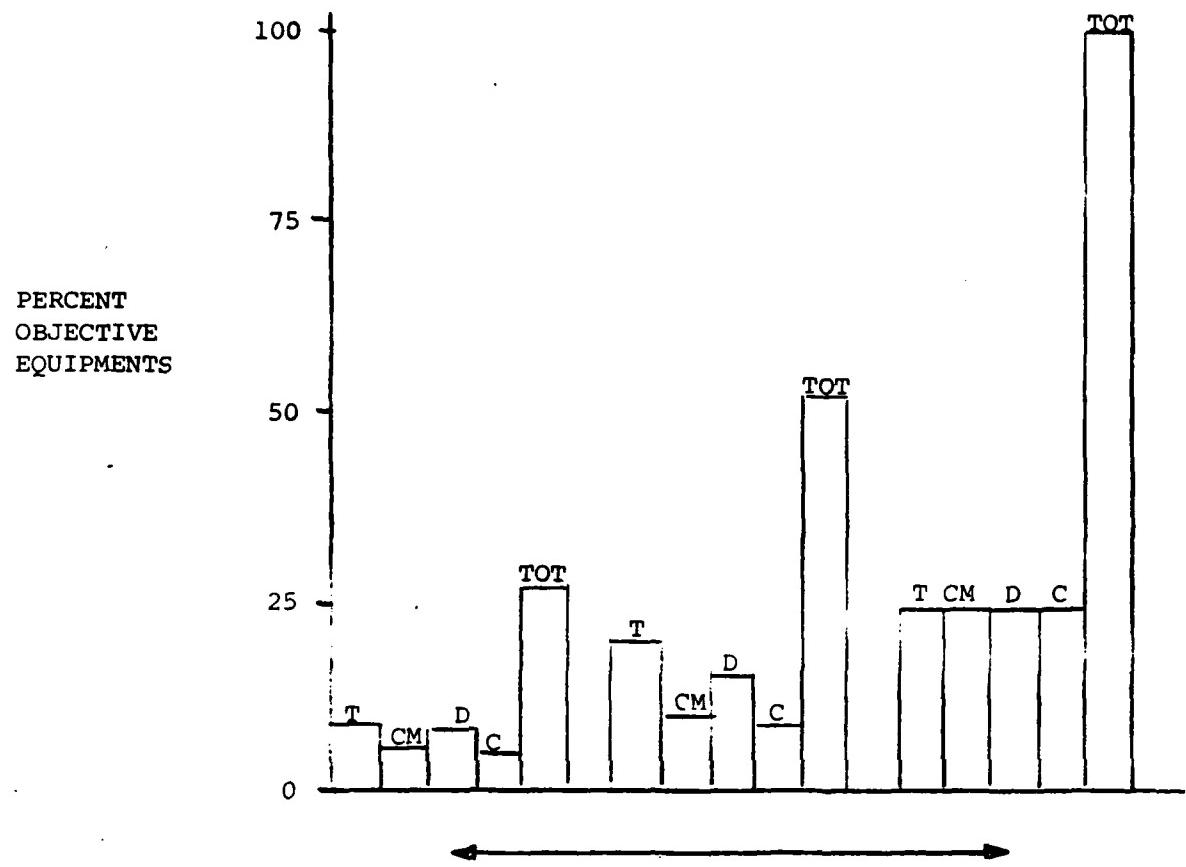
The need for additional systems training for operators/main-tainers was established by the Southeastern Signal School in 1972, because of the complexity of proposed equipments/systems. In the early 80's the Reactive Electronic Equipment Simulator (REES) will be installed in the USASC, which will provide systems training. The REES, costing in the million of dollars, will simulate tactical communications technical control functions of the AN/TSQ-84 and AN/TSQ-85 as well as the functions of AN/TRC-145 (MOD), AN/TRC-138' (MOD), AN/TCC-73 (MOD), TRC-151/152, TD-1065, TD-1069 and TD-976.

Additionally, the USASC (Directorate of Training Developments) interviewed 12 future Signal Battalion Commanders and 75% believed that systems training is needed for communications operators, junior officers and NCO's.

The same directorate interviewed a number of field grade officers and 35% expressed the belief that "the Signal Corps needs to educate the planners, managers and operators of the other services on what we have and what it can do for them". Major new equipments will increase in the Objective System by almost four times today's system, and this implies that additional training is required.

An indication of the major new and significantly different equipments in the transition and Objective Systems relative to today's system is shown in Figure 4-3. The current system consists of 34 major equipment items, the transition system has 32 equipment items new or significantly different from the current system and the Objective System has 64 equipments new or significantly different from the transition system. The cumulative totals of 34, 66 and 130, respectively, are meaningful from the training standpoint because old equipment and it's training continue in some locations while replacement occurs in other

FIGURE 4-3 NEW EQUIPMENTS



	<u>CURRENT (1980)</u>	<u>TRANSITION</u>	<u>OBJECTIVE (1990)</u>
<u>NEW/DIFFERENT EQUIPMENTS</u>		32	64
CUMULATIVE TOTAL	34	66	130
<u>CATEGORY (% OBJECTIVE TOTAL)</u>			
TRANSMISSION (T)	9	21	25
CONTROL/MUX (CM)	5	10	25
DISTRIBUTION (D)	8	13	25
COMSEC (C)	<u>4</u>	<u>7</u>	<u>25</u>
TOTAL (TOT)	26	51	100

places. Percent of objective equipments are illustrated in Figure 4-3 for four categories of equipments for each of the three time phases. These equipments are listed by category in Table 4-11. Only the new (no prior capability) and the equipment considered to be significantly different in complexity are counted. The new/different equipments are evenly distributed among the categories in the Objective System.

The transition and objective equipments are described in Equipment Description Sheets in the INTACS Architecture document.⁵ The functions of current, transition and objective equipments are shown and connected for a typical Corps node phased through five steps from here to objective in the INTACS Transition Architecture Requirements document⁶ Figures 3-1A, 3-1, 3-19, 3-36 and 3-59. Each figure highlights the change from the preceding phase. Also, a Division node is illustrated in a similar manner in Figures 5-1, 5-2, 5-16, and 5-30.

The foregoing basis information and resulting numbers give a strong indication that an implementation scheme that includes increased training with emphasis on systems is required.

All schemes other than Alternative 2 provide less than complete training.

⁵INTACS Architecture

⁶Transition Architecture Requirements

TABLE 4-11 MAJOR EQUIPMENTS

<u>CURRENT (1980)</u>	<u>TRANSITION</u>	<u>OBJECTIVE (1990)</u> ⁵
1. TRC-145,113	TRC-145 MOD	TRC-178/TRC-113 (MOD)
2. TRC-112,121		TRC-170
3. TRC-138	TRC-138 MOD 1 *	SRWBR TRC-175/ TRC-138 MOD 2 #
4. TRC-110	TRC-152 *	TRC-174
5. TRC-117	TRC-151 *	TRC-173
6.	TSC-85 *	TSC-L (MCOS) #
7.	TSC-93 *	TSC-M (MCOS) #
8. VRC-12 FAMILY (6 ITEMS)	SINCGARS FAMILY (9 ITEMS) *	
9. HF	IHF *	OHF #
10.		SCOTT #
TRANSMISSION	12	15 *
		5 #
11.	TD-1069 *	
12.	TD-1065 *	
13.	TD-976 *	DGM (15 ITEMS) #
14.	TD-982 *	
15. TCC-73	TCC-73 (MOD)	
16. TCC-72	TCC-72 (MOD)	
17. TCC-65	TCC-65 MOD	
18. SB-675, TSC-76, TSQ-84	TSQ-84A *	CNCE I & III TSQ-111 #
19. MSC-25	MSC-25 (MOD)	CSPE #
20. MSC-32(A)	MSC-32A (MOD)	CSCE TYC-16 #
21. RWI	BNRID C-6709 *	NRI KY 90 #
CONTROL/MUX	7	6 *
		19 #

* New or significantly different from current. # New or significantly different from transition.

⁵ INTACS Architecture; Equipment Description Sheets.

TABLE 4-11 CON'T

	<u>CURRENT (1980)</u>	<u>TRANSITION</u>	<u>OBJECTIVE (1990)</u> ⁵
22.	TTC-38		TTC-39 #
23.	SB-3614, TTC-41		SB-3865 & SB22/ CV-DIG #
24.	SB-22, 86		
25.	TA-312, 838, 938		
26.		TA-978 (SWAT) *	DSVT KY-68, 78 #
27.		ANDVT *	
28.			DNVT TA-954/984 #
29.	TXC-1	GXC-7A	UXC-4 #
30.	PGC-1	UGC-74	MRTT, SST
31.	MGC-19A	MGC-19A (MOD)	MTCC/ULMS #
32.	TSC-58	TSC-58 (MOD)	
33.	MGC-23		
34.	MYQ-2		TYC-39 #
35.			DLED #
36.		PLRS/JTIDS HYBRID (4 ITEMS) *	
37.			OPTICS (4 ITEMS) #
38.			MSC #
39.			AU #
40.			MST #
DISTRIBUTION	10	7 *	16 #
41.	NESTOR (3 ITEMS)	VINSON (4 ITEMS) *	
42.	KW-7		DLED KG-84 #
43.	KG-27		KG-81, KG-93 #
44.			TENLEY/SEELEY (22 ITEMS) #
COMSEC	5	4 *	24 #
TOTAL	34	32 *	64 #

4.3.3 Continuity of Operations (CONOPS).

CONOPS is maximum in Schemes 1, 1A and 2 since some subsystems can tolerate missing equipments and/or components. For example, the voice switching systems require the AN/TTC-39, AN/TTC-42, and SB-3865. As noted in Figure 4-2, the current IOC of the AN/TTC-39 is 3Q83, whereas the other two items is 1Q86. Even though all three items will ultimately be interfaced, the delay will not impede the operation of the AN/TTC-39. Figure 4-2 is replete with other valid examples.

CONOPS is not assured in Scheme 3 since there is no assurance that lateral units and higher headquarters have received the equipment simultaneously. CONOPS is not assured in Scheme 5 for much the same reason - there must be other teams with the same equipment before operations can begin. At first glance, it would appear that Scheme 4 - mission change (stand-down) offers maximum CONOPS. This is not true, since the scheme requires all equipment to arrive simultaneously, all training to be completed, and no intervening changes in mission, mission priority and equipment which is obviously near impossible in today's turbulent world. In addition, Schemes 3, 4 and 5 will result in constant disruption due to fragmented fielding of equipment.

4.3.4 Interoperability (INTEROP).

INTEROP is maximum in schemes 1, 1A and 2 since some subsystems can tolerate missing equipments and/or components. The reasoning used in evaluating CONOPS (para 4.3.3) applies to INTEROP.

INTEROP is not assured in Scheme 3 since there is no assurance that lateral units and higher headquarters have received the equipment simultaneously. INTEROP is not assured in Scheme 5 for much the same reason - there must be other teams with the same equipment before operations can begin.

Scheme 4 provides maximum interoperability since the definition of the scheme states that the "equipment is fielded as interoperable subsystems". This is achieved at the cost of achieving upgrade at a minimum pace.

4.3.5 Timeliness of Training.

Scheme 2 offers the maximum timeliness of training since the Communications Systems Operations Training for communications personnel and users is conducted within the organizations upon arrival of the equipment and M05 - trained operators/maintainers. The amount of training that will be forgotten will be at an absolute minimum. This is a very critical subject; for example, school - trained CPO personnel will forget 50% of their training at the end of 3 months after graduation.⁷

All other schemes provide medium timeliness of training due to the lack of Systems Training, and the amount of time between completion of MOS training and start of systems operation.

4.4 RECOMMENDED SCHEME.

It is recommended that alternative implementation scheme 2 be selected. A summary of the evaluation is in Table 4-III. This recommendation is made after careful consideration of not only capabilities and shortcomings of each alternative but the increasing complexity of the equipment/software and the ever-changing equipment availability dates (Figure 4-2). As the objective system is approached, the slippage of one item of equipment will have an effect upon other items. Scheme 2 provides the following features:

The automated transition plan provided maximum flexibility.

Optimum amount of training.

CONOPS is maximum.

INTEROP is maximum.

Maximum timeliness of training.

For ease of reference, the recommended Alternative Scheme 2 is repeated below.

⁷ TRADOC Commander's Conference/Training Strategy, 3 Apr 79

TABLE 4-III TRANSITION IMPLEMENTATION ALTERNATIVE SCHEME EVALUATION

ALTERNATIVES CAPABILITIES/ SHORTCOMINGS	CURRENT: DIVISIONS & SEPARATE UNITS	1A	2	3	4	5
		DIVISIONS & SEPARATE UNITS AUTOMATED PLANNING	BATTALIONS & SEP COMPANIES	MISSION CHANGE (STAND-DOWN)	TEAM & EQUIPMENT REPLACEMENT	
		1. CONOPS is maximum 2. INTEROP is maximum CAPABILITIES	1. Automated transition plan provides maximum flexibility 2. CONOPS is maximum 3. INTEROP is MAXIMUM 5. Maximum timeliness of training	1. Automated transition plan provides maximum flexibility 2. Optimum amount of training 3. CONOPS is maximum 4. INTEROP is maximum 5. Maximum timeliness of training	1. Automated transition plan provides maximum flexibility 2. INTEROP is maximum	1. Automated transition plan provides maximum flexibility 2. INTEROP is maximum
		1. Lack of comprehensive responsive plan 2. Training is not complete SHORTCOMINGS	1. Training is not complete 2. Medium timeliness of training 3. Medium timeliness of training	1. Training is not complete 2. Medium CONOPS - constant disruption 3. INTEROP not assured 4. Medium timeliness of training	1. Training is not complete 2. Medium CONOPS 3. Medium timeliness of training 4. Medium timeliness of training	1. Training is not complete 2. Medium CONOPS - constant disruption 3. INTEROP not assured 4. Medium timeliness of training

RECOMMENDED IMPLEMENTATION SCHEME

(ALTERNATIVE 2)

DIVISIONS & SEPARATE UNITS, SYSTEMS TRAINING, AUTOMATED PLANNING

Communications equipment is issued to U.S. Army organizations/units in accordance with the DA Master Priority Lists (DAMPL) in order of priority and/or geographic disposition. Based upon rate of flow of equipment from the production lines, every effort is made to complete a division or separate unit before proceeding to another organization/unit. After the divisions and separate units within a geographic area have been equipped, Corps and Theater Army organizations are equipped. Each geographic area is usually completed before proceeding to another area. Communications equipments are fielded as subsystems but are sometimes fielded less components when basic functions can be provided. Such missing components must not degrade the Continuity of Operations (CONOPS) and Interoperability (INTEROP). Certain subsystems must be fielded as procurement packages to insure system operational capability, such as the AN/TTC-39. The replaced equipment and team will be used to replace manual equipment assets. Planning and keeping track of this is difficult and time consuming by manual methods, and therefore must be automated to provide proper implementation, integrated logistics support, transition planning and training impacts.

Training is accomplished by service school(s) for complicated equipment and by using organization/unit for less complicated equipment using exportable service school produced training material.

Due to the number and complexity of new and future equipment/software, systems and sub-systems, additional systems training at the organization/unit level is becoming necessary. This alternative envisions the activation and training of TRADOC (Signal School) Communication Systems Operations Teams (CSOT) whose functions would be:

- To train key personnel (S3's, C-E staff personnel, and commanders), in planning and management of the system/sub-systems. Training would include, but not be limited to interoperability requirements, radio and

wire net planning and management, general communications planning, interrelationship of subsystems (e.g., transmission, switching and management), activation/deactivation of subsystems/communication system, nodal and interface control, contingency planning, frequency management, and traffic engineering.

• To train the system users (subscribers) accenting capabilities and limitations of the equipment and system and courses of action to take in the event of disruption of service. Because of the great numbers of users within a division size organization, such training would be conducted for key (cadre) personnel, who, in turn would train the balance of the users.

For specific procurement packages, such as the AN/TTC-39, there may be a requirement for a CONUS-trained team to accompany the equipment.

Accompanying the fielded equipment is the Logistic support package consisting of spare and repair parts, tools and test equipment, software support, and publications required for training and support. The current equipment, when replaced, is issued to lower priority units in accordance with planning and instructions from the Materiel Readiness Command.

Planning is accomplished with a single, comprehensive plan supported by an anticipated expanded Automated INTACS Implementation Management System (AIIMS) which responds accurately and timely to changes in its many inputs. The capability of AIIMS serves as a powerful planning tool for controlling the transition and objective implementation actions, including acquisition, training and fielding schedules plus supporting documentation/reports. The power of AIIMS derives from the ability to remember and quickly manipulate the extensive data base of related elements necessary to effective implementation planning. Changes can be quickly incorporated to account for variances from actual conditions and to allow optimization of the plan. Impacts of input and constraint modifications can be forecast almost immediately after the change.

5.0. IMPLEMENTATION PLAN

5.1 FORCE MODELS

To develop and update the Implementation Plan it is necessary to define the Forces and their communications equipment from the current system through the transition stages to the objective system. Once these Force Models have been developed in AIIMS, year by year automated runs can be made projecting equipment acquisition versus budget by specific units as shown in Figure 5-1. The Force Models required are:

- F-1 ATACS POM 80
- F-2 Improved ATACS POM 82
- F-3 Improved ATACS with CNCE and TTC-39 POM 84
- F-4 Base Digital with Hybrid Application POM 85/86
- F-5 Objective System/Objective Force

These Force Models relate specific equipment to specific units by POM year and refer to authorized TOE's or Unit Reference Sheets (URS). They become semi-static, requiring changes only when there is an approved equipment change or a change in the POM.

As shown in Figure 5-1, the current equipment issue status for specific units is derived by incorporating changes to F-1 which reflect the actual situation of today. Then, plans and constraints (priorities, availabilities, strategies, budget) are injected into Models F-2 through F-5 from the current base to arrive at a prediction of equipment issue requirements for each of the future years.

The procedures for developing and maintaining by ADP, each of the Force Models are defined below and the flow diagrams are at Annex C.

5.1.1 Force Model F-1 - ATACS - POM 80

This Force Model becomes the base model for developing the other four (4) models and is also the base for building the Specific Unit Master Issue Tape (SUMIT) which is described later. The following Manual/ADP steps are required to develop Force Model F-1.

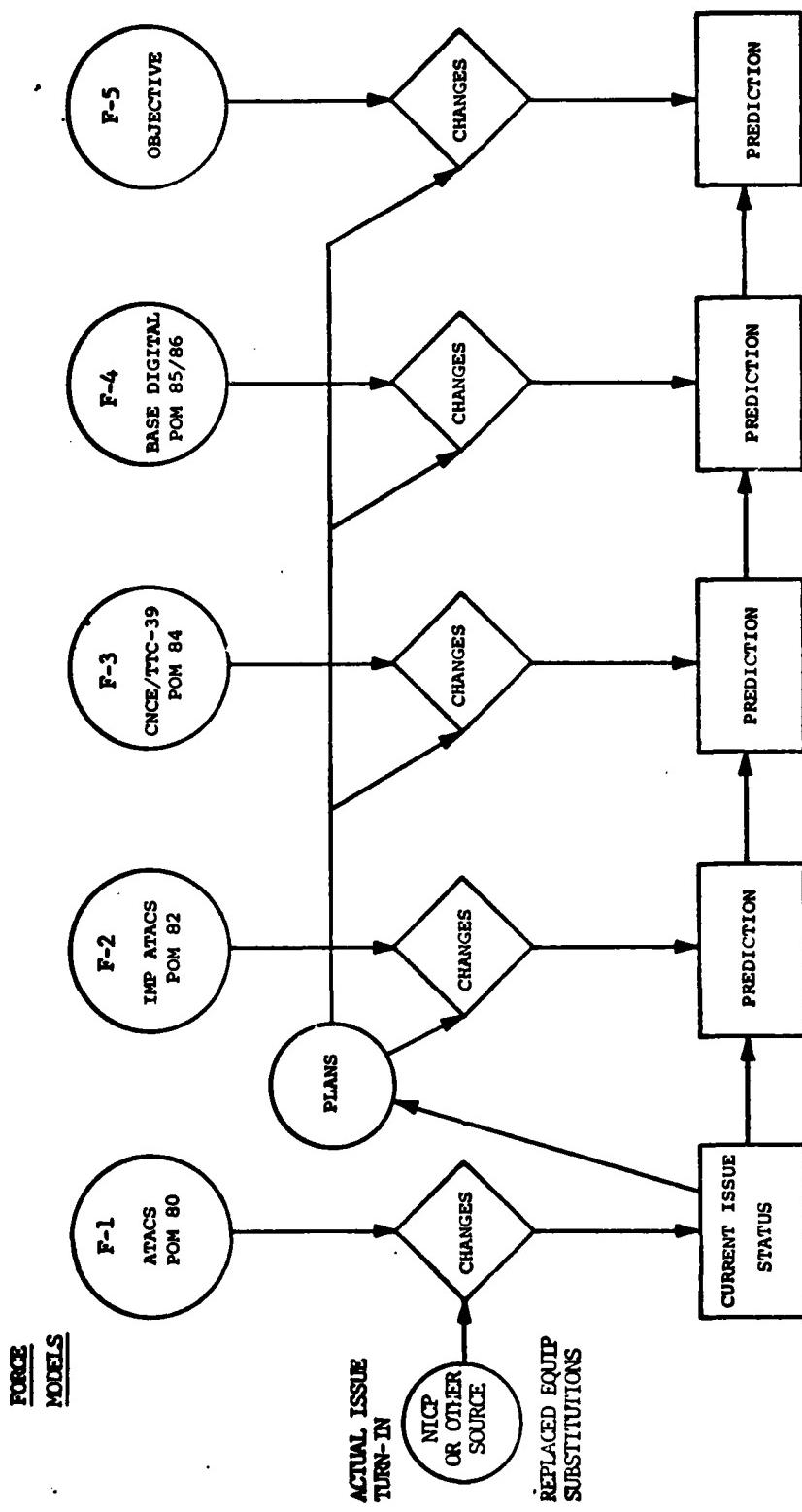


Figure 5-1 Projected Equipment Acquisition

- Compile a list of current tactical communications equipment that will be affected by the transition and objective systems (Appendix D).
- Run line item number (LIN) of above equipment against current TOE's to determine the amount and in which TOE the equipment is authorized.
- Run POM 80 units against authorized TOE tape above to determine equipment authorization by specific unit. This becomes Force Model F-1.
- Format and develop the following printed listings which describe the Force Model (Complete format is at Appendix F).

1. EQUIPMENT IDENTIFICATION LIST

Lists and identifies equipment by Key Nr, Nomenclature, IOC, etc.

2. EQUIPMENT SUMMARY BY FORCE

Provides Force and equipment totals for Active, National Guard, Reserve and Total Force.

3. EQUIPMENT ASSEMBLAGES BY FORCE

Provides assemblage and component totals for Active, National Guard, Reserve and Total Force.

4. COMPONENTS TO ASSEMBLAGES BY FORCE

Gives total of components and total of the assemblages where they are found by Active, National Guard and Total Force.

5. END ITEM ASSOCIATED/ANCILLARY EQUIPMENT LIST BY FORCE

Lists end items and their associated equipment by Active, National Guard, Reserve and Total Force.

6. BOI FILE BY FORCE

Provides equipment list and units in which it is found by Active, National Guard, Reserve and Total Force.

7. TOE FILE BY FORCE

Lists TOEs and equipment therein by Active, National Guard, Reserve and Total Force.

5.1.2 FORCE MODEL F-2 - IMPROVED ATACS - POM 82

This Force Model incorporates the equipment of the ATACS Product Improvement Program which will be put in the field in the near time frame. Since the quantities are restricted pending availability of the objective equipment, the entire Force will not receive this

equipment. The steps required to construct this Force Model are:

- Utilize Step 2 of Force Model F-1 and run POM 82 against it to assign equipment by specific unit. This results in current TOE authorization as a base.
- Compile a list of improved ATACS equipment (Appendix D).
- Identify units in POM which will receive this equipment.
- Substitute improved ATACS for TOE equipment in those specific units.
- Provide seven listings same as for F-1

5.1.3 FORCE MODEL F-3 - IMPROVED ATACS WITH CNCE AND TTC-39 -

POM 84

Force Model F-3 will incorporate the CNCE and TTC-39 only in those units where it is authorized and which also have the improved ATACS assigned. To construct the Force Model the following steps are necessary:

- Utilize Step 2 in Force Model F-1 and run POM 84 against it to assign equipment by specific unit. This results in current TOE authorization as a base.
- Utilize Step 4 in Force Model F-2 to assign improved ATACS equipment (List at Appendix D).
- Identify those units with improved ATACS that will be authorized the CNCE and TTC-39.
- Add the CNCE and TTC-39 to those units and delete the TOE equipment that is replaced. This becomes FORCE Model F-3.
- Provide seven listings same as for F-1.

5.1.4 FORCE MODEL F-4 - BASE DIGITAL WITH HYBRID APPLICATION -

POM 85/86/87

This Force Model brings in Additional digital equipment so that the systems now operate basically digital, however, certain types of equipment must be retained to allow a hybrid operation of those analog functions remaining. The steps in constructing the Force Model are as follows:

- Utilize Step 2 in Force Model F-1 to acquire current TOE

authorization as a base.

- Compile a list of equipment to be added and a list to be deleted and modify each TOE that is affected (Appendix D).
- Run POM 85/86/87 against the modified TOE file to assign equipment to each specific unit. This is now Force File F-4.
- Provide seven listings same as for F-1.

5.1.5 FORCE MODEL F-5 - OBJECTIVE SYSTEM/OBJECTIVE FORCE

The remainder of the INTACS equipment is added to this Force to form the Objective System. The system is now digital with hybrid operation eliminated but having analog interface capabilities.

The procedure to construct the Force Model is as follows:

- Utilize Step 2 in Force Model F-4 as the base.
- Compile lists of equipment to be added and deleted and modify each affected TOE. (Appendix D)
- Run Objective Force against the modified TOE file to assign equipment to each specific unit. This becomes Force File F-5.
- Provide seven listings same as for F-1.

5.2 SPECIFIC UNIT MASTER ISSUE TAPE (SUMIT)

In order to account for the many equipment transactions during transition (equipment issues, roll-up, re-issue, salvage) it is necessary to create and maintain a master file of the current equipment status of all units in the Force. By continually updating this file as equipment is moved, the current Force status is available to provide the information needed for future planning of the implementation schedules (See Figure 5-2). Since many units do not now have the type nor quantities of equipment that is authorized by the TOE, the Force Model F-1 must be initially be modified to reflect the actual status of equipment in the specific units. The procedures to establish and maintain the SUMIT File are as follows:

- Utilize Force Model F-1 as the base file.
- Acquire from the logistics system a listing of TOE deviations by specific unit for the pertinent items.
- Make the necessary item substitutions and/or quantity change in the base file.

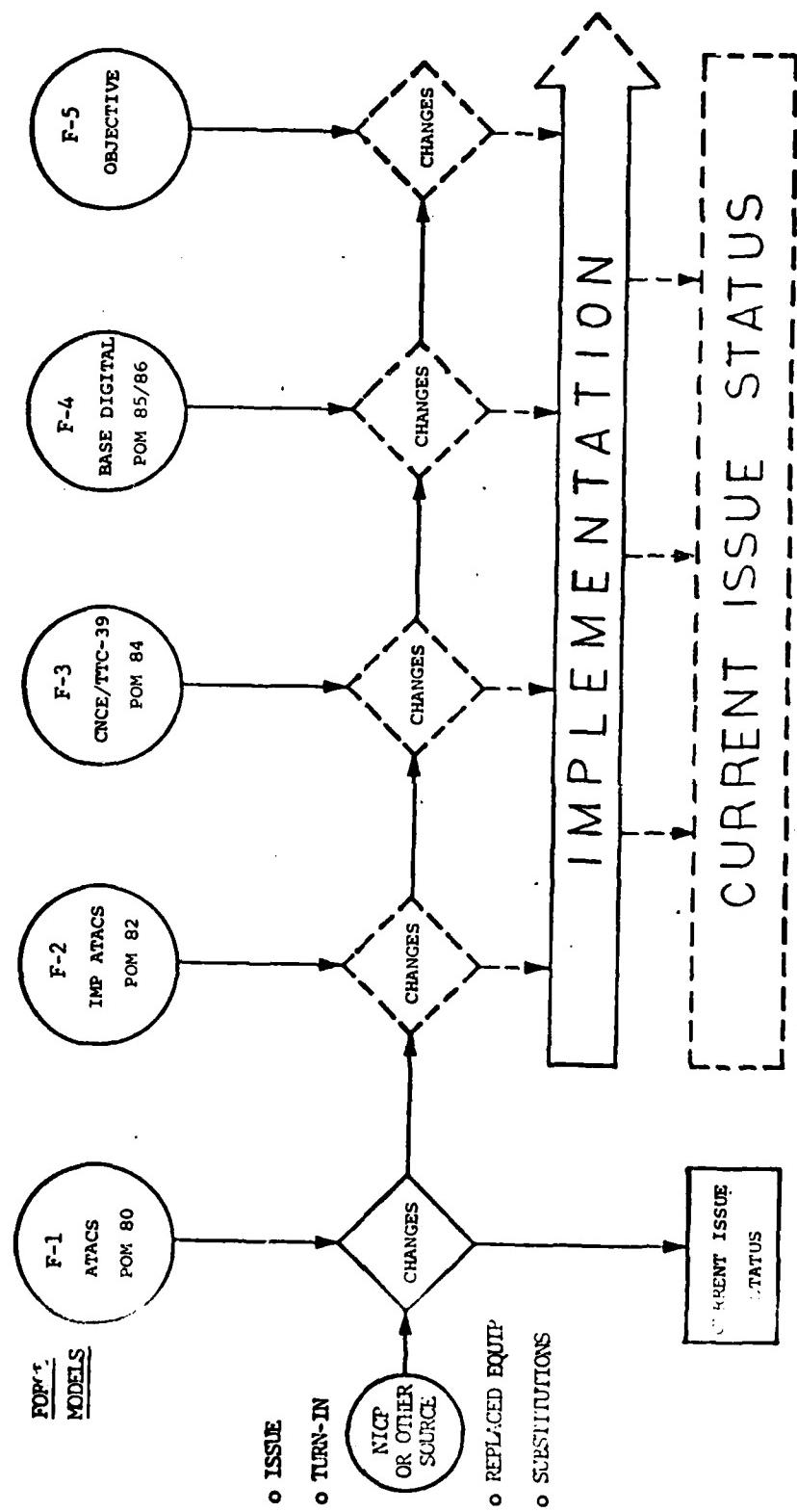


Figure 5-2 Specific Unit Current Issue Status

- Establish the requirement for periodic reports from the logistics system for all future changes of affected equipment items.
- update the SUMIT file with these changes on a periodic or as required basis.

5.3 FORCE MODEL IMPLEMENTATION PRIORITIES

A number of actions must be taken and auxillary files initiated in order to create the Force Files and the Specific Unit Master Issue Tape (SUMIT). There is a logical sequence of events to be followed since creation of some files requires the previous existence of others. Initial errors which may occur in equipment, TOES or units are of no great consequence and, indeed, the system is so designed that the completion of the cycle will bring them to light so that corrections may be made and the system recycled. The sequence to be followed and an explanation of the objective of each step follows below:

5.3.1 Equipment Lists For Each Force Model

These lists are the compilation of affected equipments that will be found in a given unit in the cycle of transition from current to objective systems. During transition there will be units in all the equipment postures that have been projected and only by knowing their true status can acquisition schedules be forecast to further the transition. From their current status the next stage can be projected automatically from the Force Models thereby preparing the acquisition schedules according to the priority listing.

These Force Model lists are attached as Appendix D.

5.3.2. TO/E File

This is the master file of all current TO/Es and TDAs which may be obtained through the Fort Leavenworth computer. This file contains the complete TO/E information but selected portions may be extracted as required. By using the Line Identification Numbers (LIN) from the Force Model F-1 Equipment List a listing of TO/Es for each selected equipment may be obtained. The former is

used in the process of building Force Model F-1.

5.3.3 Program Operating Memorandum (POM) 80

This input to creating Force Model F-1 is a TO/E and TDA listing of the units projected in the Force at that time. By running the requirements obtained for each TO/E from the TO/E file above, the requirements for each unit in the projected Force may be obtained.

5.3.4 Force Model F-1

The three (3) inputs and processes above will have created the total Force Model F-1 as a file and will show the total equipment requirements for that Force. To obtain structured outputs from this Force Model, subsequent Force Models, current Forces and projected Forces seven (7) output routines and formats must be created. A description of these outputs and their format is attached as Appendix F.

5.3.5 TO/E and TD/A Deviations By Unit

Force Model F-1, above, presents the selected equipment authorization for each TO/E and TD/A. Since all the units in the Force do not currently have part or all of their authorized equipment on hand, it is necessary to modify the authorization by actual issue for each unit to obtain the true current issue status. This information is available through logistics channels and steps have been taken to obtain it in a usable format.

5.3.6 Specific Unit Master Issue Tape (SUMIT)

The method of creating this tape is outlined above in paragraph 5.2. This file contains the true equipment issue status of all units in the Force and is kept current at all times by incorporating all equipment transactions that occur. Being the master file of all unit's current status, it is the base from which to project future unit status as equipment is acquired through the transition and into the objective system.

5.3.7 Force Model F-2

The procedures for creating Force Model F-2 are shown in paragraph 5.1.2. With the implementation of this Force Model, an equipment acquisition prediction can now be made through 1983.

5.3.8 Equipment Acquisition Prediction Through 1983

Implementation of the above procedures through Force Model F-2 provides sufficient files to obtain an automated equipment acquisition prediction for a given force through 1983. Given budget limitations and equipment costs, the AIIMS programs will make the year by year prediction through 1983. Details of this procedure are discussed in paragraph 5.3.10 below.

5.3.9 Force Models F-3 Through F-5

To provide a complete automated system, Force Models F-3, F-4 and F-5 must be developed. The procedures for these forces are shown in the preceding paragraphs 5.1.3, 5.1.4 and 5.1.5, respectively. With these Force Models and the previously discussed files, an automated year by year equipment acquisition prediction through the objective system may be obtained.

5.3.10 Equipment Acquisition and Distribution Prediction

This is one of the major steps in the implementation priorities necessary to automate the Transition Plan. Two (2) primary programs are used by AIIMS to accomplish these processes as shown in Figure 5-3.

To make the year by year equipment acquisition predictions, it is assumed that the current 5-Year Plan, budget guide-lines and equipment costs are available. With this information the program considers prior acquisition, if any, and calculates the amount of equipment per budget year until AAO is reached. If the AAO is not reached by the 10th year, the remainder is lumped as post 10th year acquisition. A variation of the program permits calculation to 1999 if desired. An example of the output is shown in Figure 5-4.

A refinement to this program formats the prediction information into a Procurement and Life Cycle Management Schedule for each individual equipment. Examples of these schedules are shown in Figures 5-5, 5-5A and 5-5B.

FIG. 1. Mgmt. Planit

EQUIPMENT ASSIGNMENT

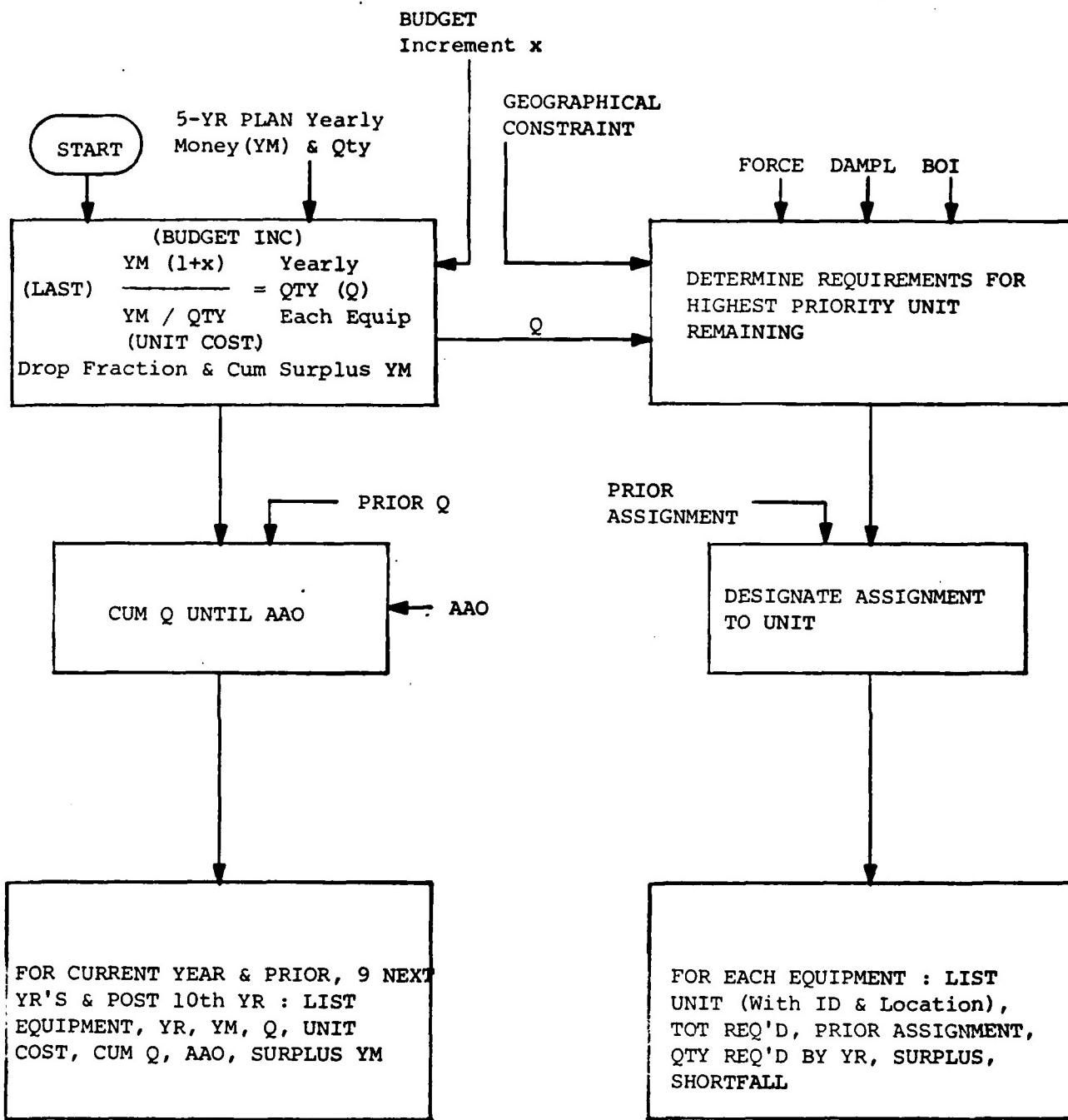


FIGURE 5-3 EQUIPMENT ACQUISITION PROGRAMS

DATE - 02/18/01

EQUIPMENT QUANTITIES

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 10/10/01 BY SP0006 PAGE 3

KEY NUMBER	MENOMINATUR 150-11111111	FISCAL YEAR	BUDGET	IN MILLIONS \$	SURPLUS	COST	ANNUAL BUY	CUM BUY	AUD REMAINING
AN0050			.00000	.0000	.0000	.0000	.0	.0	.110
			58.0000	-0.0000	5.8666	15	15		
			39.0000	-0.0000	3.9000	10	25	85	
			20.0000	-0.0000	4.0000	5	30	80	
			18.0000	-0.0000	6.5000	4	34	76	
			19.8000	1.8000	4.5000	4	38	72	
			21.7800	3.7800	4.5000	4	42	68	
			23.9580	1.4580	4.5000	5	47	63	
			26.3538	3.8538	4.5000	5	52	58	
			28.9891	1.9891	4.5000	6	58	52	
			31.8880	3.8880	4.5000	7	65	45	
			35.0768	3.5768	4.5000	7	72	38	
			39.5044	2.5044	4.5000	6	80	30	
			42.4428	1.4428	4.5000	9	89	21	
			46.6870	1.6870	4.5000	10	98	11	
			51.3557	1.8557	4.5000	11	110	0	

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2

EXAMPLE

FIGURE 5-4 EQUIPMENT ACQUISITION BY YEAR

KEY NO. 038

TACTICAL AUTOMATIC SWITCH, AN/TTC-39 (300L)

DATE

UNIT COST \$1.7M	QTY AAO 100	FISCAL YEARS															
		79 & PRIOR	80	81	82	83	84	85	86	87	88	POST 88					
UNIT PROCUREMENT	PER FY	0	0	9	12	13	13										
	CUMULATIVE	0	0	9	21	34	47										
	% AAO	0	0	9	21	34	47										
OPA \$M	PER FY	0.0	6.6	9.3	20.6	22.1	22.1										
	CUMULATIVE	0.0	6.6	15.9	36.5	58.6	80.7										
RDT&E \$M	PER FY	119.7	4.4														
	CUMULATIVE	119.7	124.														
PLANNED REQUIREMENT			0	0	7	12	20	20	15	15	11						
NO.	COMPONENT NOMENCLATURE	COST															
2	KG-81 TED	.2K	0	0	14	24	40	40	30	30	22						
2	KG-82 LKG	.2K	0	0	14	24	40	40	30	30	22						
<i>EXAMPLE</i>																	
BOI INFORMATION		MILESTONES	BEGIN FY	REVISED	END FY	REVISED											
2 PER 11-405		ADV DEV	4Q72 (JUN 72)			2Q74 (DEC 73)											
2 PER 11-407		ROC	1Q72 (SEP 71)			1Q72 (SEP 71)											
1 PER 11-417		VAL IPR	3Q74 (MAR 74)			3Q74 (MAR 74)											
1 PER 11-506		ENG DEV	4Q74 (APR 74)			2Q79 (FEB 79)											
1 SIG CENTER		DT/OT II	2Q79 (FEB 79)			1Q80 (NOV 79)											
		DEVA IPR	3Q80 (JUN 80)			3Q80 (JUN 80)											
		TC (INITIAL)	3Q80 (JUN 80)			3Q82 (JUN 82)											
		DT/OT III	4Q81 (SEP 81)			3Q82 (JUN 82)											
		IOC	3Q82 (JUN 82)			3Q82 (JUN 82)											
NOTES: ITEMS REPLACED, MOS REQUIRED, SPECIAL PROCUREMENT INFORMATION, DESCRIPTION, ETC.																	
ACN: 22720 LIN: B68700																	

Figure 5-5 Procurement and Life Cycle Management Schedule

KEY NO. 038

TACTICAL AUTOMATIC SWITCH, AN/TTC-39 (30UL)

DATE

UNIT COST	QTY AAO	FISCAL YEARS										
		79 & PRIOR	80	81	82	83	84	85	86	87	88	POST 88
PLANNED REQUIREMENT		0	0	7	12	20	20	15	15	11		
NO.	COMPONENT NOMENCLATURE	COST										

BOI INFORMATION

EXAMPLE

NOTES:

Figure 5-5A Procurement and Life Cycle Management Schedule - Continuation Sheet

The other primary program is used to make distribution of the equipment to specific units from the predicted budget year acquisition. These yearly quantities are used in conjunction with the BOI, Force and DAMPL to make the assignments in accordance with the selected scheme of distribution. An output example of this distribution is shown in Figure 5-6. A variation of this program lists each unit separately and the equipment it is to receive by year (Figure 5-7). By using production schedules for the equipment as an input this program can shift the unit assignment from the budget year to availability year and becomes the basis for the equipment fielding plans.

5.4 PREDICTED FORCE STATUS

With the information now available in the various files, the equipment status for any Unit, any Force or the Total Force can be obtained. A flow chart showing this process is given in Figure 5-8. The Specific Unit Master Issue Tape is always the base from which to start since it presents the true equipment status of the units. By adding the equipment on previous and current procurement, the status for the current year will be obtained. To this is added the equipment budgeted for the next fiscal year to obtain the units projected status at the end of that year. At this point the predicted status for future years may be started. With a projected budget for each future year, projected equipment buys are applied to the Force authorizations in priority order and the unit status will be predicted for each future year (Refer to Figures 5-2 and 5-3). Additional iterations of the above can be made as estimated type inputs are solidified or when major changes in budget, Force, production, etc. occur.

TITLE: EQUIPMENT DISTRIBUTION BY UNIT AND BUDGET YEAR										PAGE									
DATE	02/19/01	DAWPL	LOC	VIC	UNIT-ID	UNIT Nomenclature	SRC	QTY	016	YEAR BUDGETED									
KEY NUMBER						KEY DESCRIPTION	REQ	PRI	02	03	04	05	06	07	08	09	90	90	POST
AA0061	58-3865					AUTO SWBD (30L)	0010												10
AA0058	TSO-111(W1)					CJHM MODAL CTRL ELEM	0002												2
AA0060	KY-90					DGIL NET RAD INT UNIT	0015												15
AA0118	TSO-111(W3)					CDHL MODAL CTRL ELEM	0002												2
AA0143	TA-955					DIG NON-SEC TP	0050												50
AA0147	TA-981					DIG NON-SEC TP IN3N-RUE1	0050												50
DAWPL	LOC	VIC	UNIT-ID	UNIT Nomenclature	SRC	QTY	016		YEAR BUDGETED										
					HMD SJG BN	11116H700													POST
KEY NUMBER					KEY DESCRIPTION	REQ	PRI	02	03	04	05	06	07	08	09	90	90	90	POST
AA0143	TA-955				DIG NON-SEC TP	0010													10
AA0146	UXC-4				MOD RECORD TFC THL (ISNGL)	0001													1
AA0147	UXC-4				TAC REC TFC FAX	0001													1
DAWPL	LOC	VIC	UNIT-ID	UNIT Nomenclature	SRC	QTY	016		YEAR BUDGETED										
					CD JP FORWARD	32089H400													POST
KEY NUMBER					KEY DESCRIPTION	REQ	PRI	02	03	04	05	06	07	08	09	90	90	90	POST
AA0146	UXC-4				MOD RECORD TFC THL (ISNGL)	0001													1
AA0147	UXC-4				TAC REC TFC FAX	0005													5

EXAMPLE

FIGURE 5-7 UNIT EQUIPMENT DISTRIBUTION BY YEAR

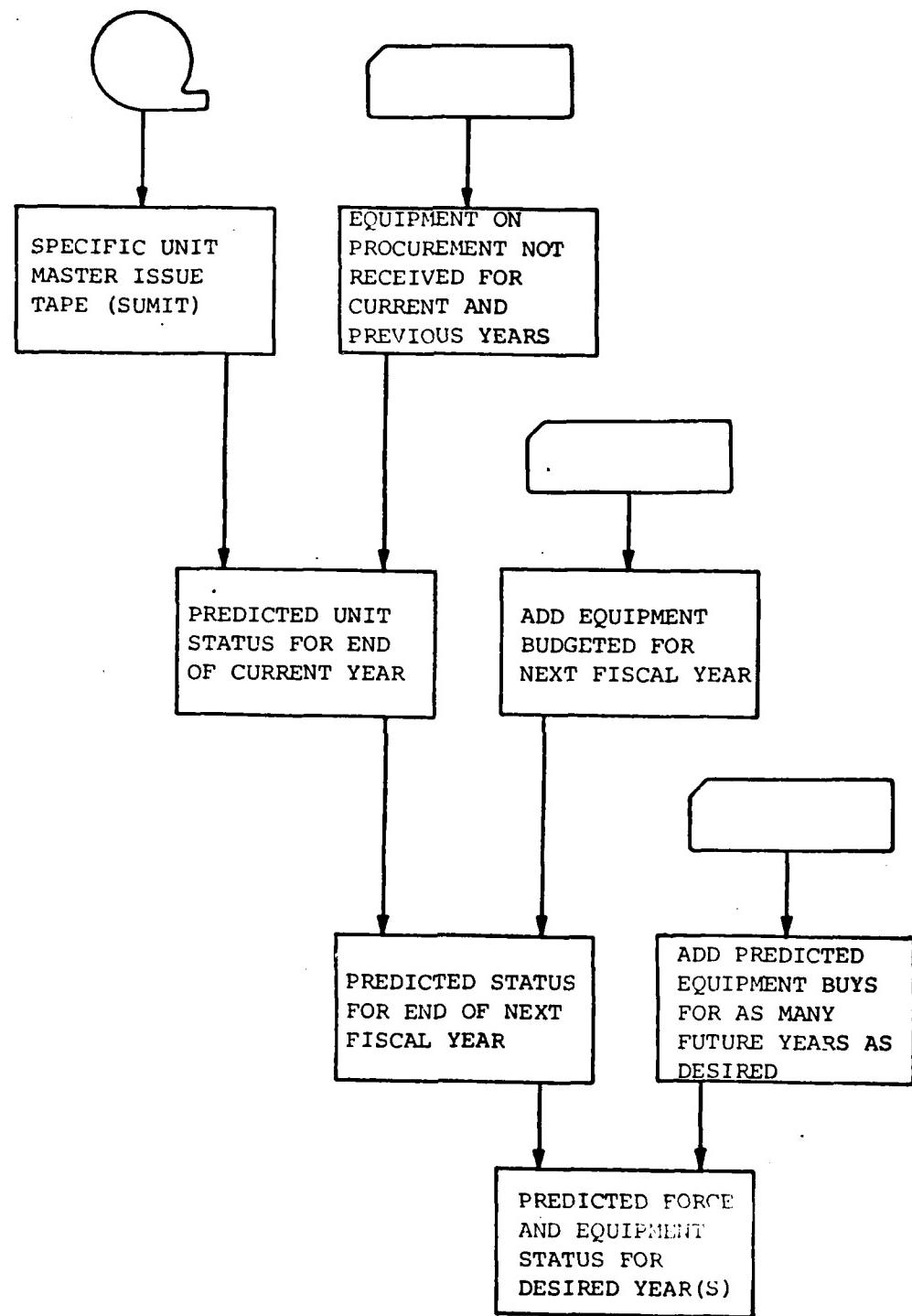


Figure 5-8 Predicted Force Status

When the prediction for future years is carried to the point where all units are equipped with their authorized Objective System equipment, then the Transition Status of the Total Force to the Objective System in terms of money and time may be shown in graphic form (See Figure 5-9). From the equipment acquisition output (Figure 5-4), the Transition and Objective equipment may be obtained by cost and year of purchase. This information can be plotted showing the phase-out procurement of ATACS equipment and the phase-in of the Objective equipment. Other types of presentations may be obtained by plotting the equipment by categories such as Consec, Single Channel, TACSAT, etc. By projecting the transition scheme against the above, a fairly accurate presentation of when the force, by priority area, will be completely equipped with the Objective equipment. These graphic presentations will be of value for the medium and long range planners and in developing the budgets for future years.

5.5 REQUIRED INPUTS

A number of inputs are necessary to build the data base for AIIMS and to provide the elements on which the programs operate. Some of these inputs such as IOCs, BOIPs, etc. are a one-time input and only require another input when a change occurs. Other inputs, such as budget and POM require a periodic submission to keep the program elements current. Most of the required inputs originate in organizations outside the U.S. Army Signal Center, therefore, procedures must be established to assure that they can be obtained in a timely manner. A list of the required inputs and the recommended organization to provide them is in the following paragraphs and in the recommended draft Army Regulation, AR 15-23 attached in Appendix G. A summary of the inputs and their source is shown in Table 5-1.

5.5.1 Budget

The budget is one of the prime inputs required to run the model for any prediction and to acquire equipment by budget year. The budget may be actual or a forecast for a particular year. Initially,

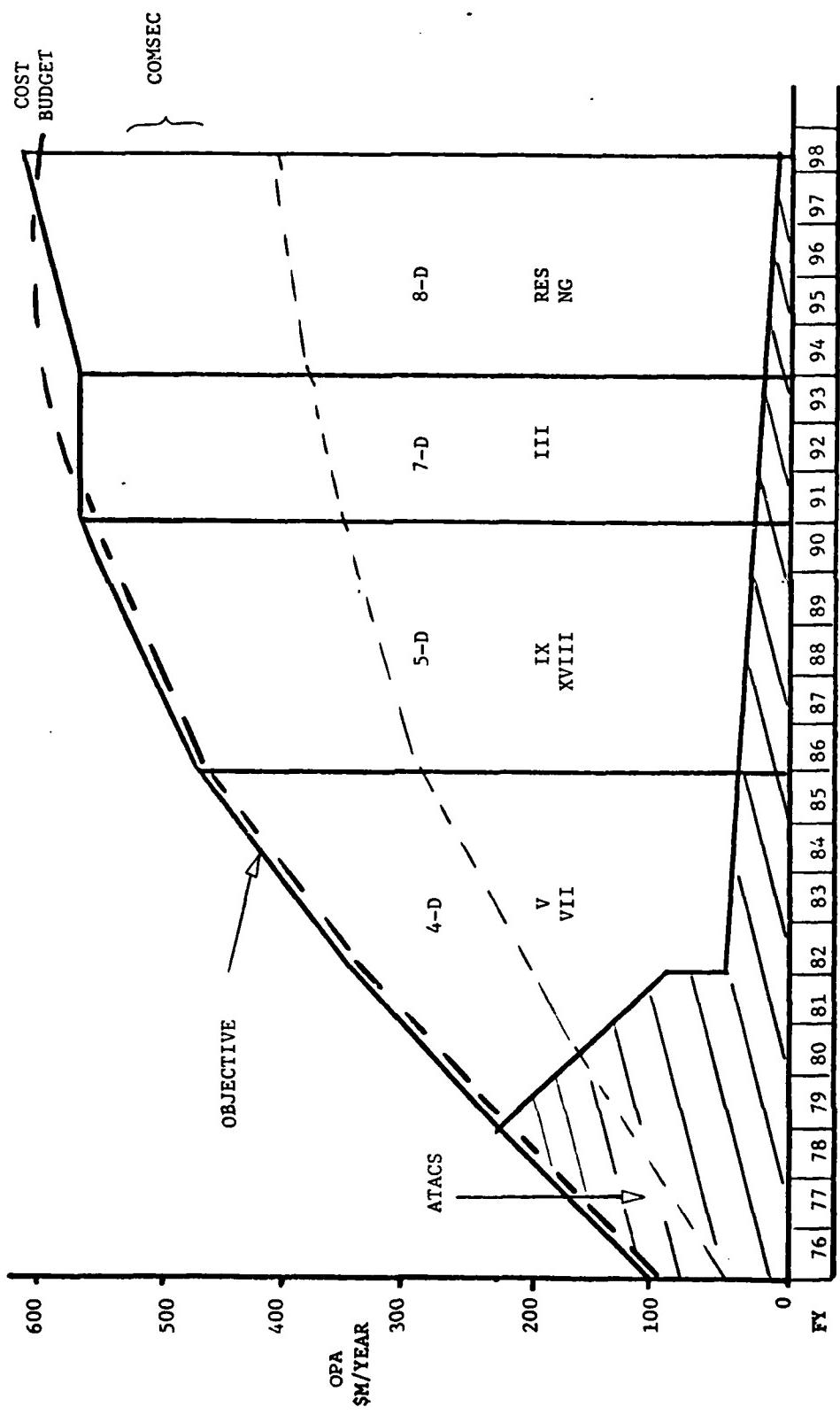


FIGURE 5-9 IMPLEMENTATION STATUS

<u>REQUIRED INPUT</u>	<u>PRIMARY SOURCE</u>
1. Budget (Actual and Predicted)	DA Staff
2. Program Objective Memorandum (POM)	DA Staff
3. DA Master Priority Listing (DAMPL)	DA Staff
4. Equipment Costs	DA Staff
5. Initial Operational Capability (IOC)	DARCOM
6. Equipment Production Rates	DARCOM
7. Army Acquisition Objective (AAO)	DA Staff
8. TOE and BOI	TRADOC
9. Force Model Equipment Lists	Signal Center
10. Research, Development and Acquisition Committee (RDAC) Sheets	DA Staff
11. Current Issue Status	DESCOM
12. Issues, Turn-ins and Redistribution	DESCOM

TABLE 5-1 Required SIMO inputs for Acquisition and Distribution

to project equipment requirements for the next fiscal year, the budget will be an estimate of the monies to be available and the model will be run with that amount. If the equipment list shows a unit partially equipped with a type of equipment and in an incompatible status, then management must make an adjustment. After a budget is actually allocated for the next fiscal year, a final run is made on the model and the output becomes the adjusted procurement list. The budget information is provided from the Department of the Army through normal command channels in accordance with the budget cycle scheduling.

5.5.2 Program Objective Memorandum (POM)

This document contains the master list of all units, both actual and planned, within the Army. When used with the TOEs, the totals of equipment required to outfit Army, National Guard and Reserve units can be calculated. The additional contingency equipment for planned units can also be determined. The POM is distributed from the Department of the Army through regular channels on a yearly basis.

5.5.3 Department Of Army Master Priority Listing (DAMPL)

The DAMPL gives the rank-ordered priority for allocation of resources for all the units shown in the POM. The Transition Plan implementation will utilize the DAMPL to assign equipment to units based on their priority. Normally, the priorities will fall in groups based on a geographical area. This is desireable so that equipment may be introduced on a compatible basis and that an area may be equipped in the shortest possible time. Any unit in the same priority group, but in a different area should be flagged by AIIMS and not assigned equipment until that area is started with all units. The DAMPL is obtained from the Department of the Army through normal command channels on a yearly basis.

5.5.4 Equipment Costs

The cost of the equipment is an essential input since cost is accumulated against the budget constraint as the AIIMS Model assigns equipment in accordance with the unit authorizations and priorities.

Costs are subject to frequent changes due to inflation, Engineering Change Proposals on equipment and other factors so that frequent updating of the data base is necessary. It is recommended that an update be obtained on a quarterly basis. The costs should be originated on the selected equipment by DARCOM and validated by the Department of the Army Comptroller before being furnished to the Signal Center for AIIMS use.

5.5.5 Initial Operational Capability (IOC)

The IOC time frame is an input to the AIIMS Prediction Model as a constraint. The IOC determines when sufficient equipment is available and the unit has had enough training to effectively utilize it. Prior to that year the equipment is not available to AIIMS for placing on the predicted procurement list although funds may be available. The equipment IOC list is originated by DARCOM and furnished to the Signal Center with updates on a semi-annual basis.

5.5.6 Equipment Production Rates

The rate at which equipment can be produced, considering production capacity and the optimum buy is also a constraint in predicting the year by year amount of equipment to procure. This must be entered into the model so that the equipment availability is not exceeded. This rate can be furnished by DARCOM and will need to be updated only as changes occur.

5.5.7 Army Acquisition Objective (AAO)

The total planned buy of an item for a specific period is treated as an input to AIIMS. The model keeps track of the cumulative amount bought and ceases to call out more when the objective total is reached. AIIMS can compute the initial AAO, based on requirements, with a sub-routine. However, the final decision must be made by the Department of the Army which will consider factors other than just TOE requirement.

5.5.8 TOE and BOIP

Both the TOE and BOIP information is required as input to the prediction model. The TOE will reflect the currently authorized equipment and amount while the BOIP will provide the same information for new equipment coming into the system. When these are run against the POM a file is created which has the equipment authorization by specific unit. Both files are kept and maintained by the Training and Doctrine Command and may be accessed directly by the Signal Center.

5.5.9 Force Model Equipment Lists

These lists were generated specifically for AIIMS to provide equipment lists which cover the current equipment through transition to the objective equipment. They contain the communications equipment coming into the system as well as that which will be phased out. The model selects specific equipment from the lists for each unit in priority order during the prediction years of transition. The completed Force Model Equipment Lists are attached as Appendix D and require updating only if a particular piece of equipment is added or deleted.

5.5.10 Research, Development and Acquisition Committee (RDAC) Sheets

These sheets are required for the initial input to AIIMS since they reflect the equipment that has been budgeted for procurement for the next fiscal year. The AIIMS program, starting with the current issue, adding equipment on procurement and the RDAC first year projected procurement, will then generate by prediction the information for the following fiscal year RDAC sheets. These sheets are prepared by the Department of the Army and are available to the Signal Center through regular channels.

5.5.11 Current Issue Status

It was stated earlier and is now re-emphasized that the entire success of a smooth and timely transition depends on knowing exactly the quantity and type equipment.

logically proceed with procurement plans on a unit by unit priority basis, the on-hand versus authorized equipment must be known. Then the transition strategy can be implemented by priority and redistribution of older assets can be accomplished. Once AIIMS has built the current authorized files they can be modified with the actual equipment in the field by specific unit. This file then becomes the Specific Unit Master Issue Tape (SUMIT). The information required to create this tape is available from the Depot System Command.

5.5.12 Issues, Turn-Ins And Redistribution

The current issue status, above, is the starting point and will have no further value unless it is kept current. Each issue or turn-in of a unit as well as equipment that is transferred between units must be tracked and the appropriate changes made to SUMIT. This is important because SUMIT is the basic input for AIIMS every time a prediction run is made. If the input data is incorrect the error will be magnified through the units as successive year forecasts for procurement are made. It is recommended that updates be made on a monthly basis and that the information be obtained from the Depot System Command.

5.6 IMPLEMENTATION SCHEDULES AND SUMMARIES

One of the primary functions of AIIMS as a tool of INTACS Management and Transition is to receive, store and process the tremendous amount of data relating to transition and to produce output schedules and summaries that are clear, concise and usable in the management process. To this end a number of formats have been developed which will provide information to the users in the form that is most suited to their individual needs. Deviations from this output information for special requirements made be had by limiting, changing or enlarging one or more of the parameters in the processing programs or in the inputs themselves.

5.6.1 Equipment and Force Summaries

The following summaries are created for each force and specific forces and are provided in the formats as shown in Appendix F:

- Equipment Identification List
- Equipment Summary by Force
- Equipment Assemblages by Force
- Components to Assemblages by Force
- End Item associated/Ancillary Equipment List by Force
- BOI File by Force
- TOE File by Force

Normally these summaries will be created on a yearly basis when the POM is revised, however, additional runs can be made whenever there is a change in the Force. The initial summaries will be made on the entire POM Force. Extracts from these master summaries can be made to satisfy any particular area of interest from single pieces to groups of equipment and for any Force desired or for any combination of equipment and Force. Annual distribution of the complete summaries will be made to the members of the INTACS Steering Committee, The Signal Center and CORADCOM. Complete summaries, selected summaries and extracts of summaries may be provided to others on an "as required" basis.

5.6.2 Specific Unit Master Issue Tape

Also known as the Current Issue Tape, this file contains all the units in the POM and shows the line by line equipment status for all equipment involved with the transition. Since this file contains voluminous data and is very large, plus the fact that it receives frequent updating, it will normally not be printed in its entirety. The primary function of this file is to act as the current data base for the manipulation and output of other programs. All or part of it may be furnished to anyone who has a need for the data in this format.

5.6.3 Equipment Acquisition List

This is the master output of the AIIMS Prediction Model and shows on a year by year basis by budget the specific equipment to be procured based on input material previously discussed. By altering the budget year with the equipment production schedules, this same program will produce an acquisition list which becomes the basis for fielding schedules. This program will be run on an annual basis corresponding to the budget cycle, however, a number of runs may have to be made during this period to incorporate input refinements that result from a previous run and as a result of management decisions. Subsequent runs may occur during the year if there are budget and/or equipment availability changes. Distribution of the first year prediction will be made to the members of the INTACS Steering Committee, The Signal Center, CORADCOM and DESCOM. (See Figure 5-4 for format).

5.6.4 Equipment Redistribution List

As the Equipment Procurement List is being generated, a second file can be created which will show what equipment is being replaced by type and quantity on a yearly basis. In the early transition years, this equipment will generally be of a later generation than that on hand in the lower priority units. Initially, this list can be used to make a manual determination of redistribution to lower priority units. By incorporating a new sub-routine, AIIMS can make this determination by automation. Since budget is not a consideration, the key factor will be equipment quantity. By using the same logic as that required for the Equipment Procurement List, the SUMIT file will be checked in priority order to determine which units do not have this equipment. An assumption is made that this redistributed equipment will be what is authorized on the TOE and that the equipment in the receiving unit is of an earlier vintage. Thus, equipment older than that currently authorized will be a turn-in and no redistribution of it will be made. A point will eventually be reached where there will be no redistribution and the lower priority units will begin to be equipped with the Objective Equipment in accordance with the normal Equipment Procurement List procedures.

5.6.5 Procurement and Life Cycle Management Schedule

While the computer print-out is not exactly in the format shown in Figure 5-5, all of the data is automated and presented for transcription on the pre-printed form. The information on this schedule is derived from the AIIMS Prediction Model with the Life Cycle Management information extracted from other files. Each sheet, with continuation pages as necessary, contains the complete information on a single equipment item or assemblage for 10 years or until the AAO is reached. These schedules will be produced on an annual basis or whenever

the AIIMS Prediction Model is run. . . .
Steering Committee, The Signal Center, CORADCOM and DESCOM. Local reproduction within Agencies may be made for action officers in their area of interest.

5.6.6 Equipment Distribution By Year By Units

This schedule is based on the equipment acquisition schedule produced earlier. The yearly quantities of equipment are matched to the specific units by DAMPL in accordance with the selected distribution scheme. Each equipment is shown with unit assignment for prior year, through a 10 year period, and the remainder as a post-10 year assignment. An example of the output is shown in Figure 5-6. This list may be produced each time the Acquisition Program is run.

5.6.7 Equipment Distribution By Unit By Year

As an alternative to the above program, this schedule lists units, in priority, and shows what equipment is assigned to each over the same time frame. This list may be produced each time the Acquisition Program and the above run is made. An example of the format is shown in Figure 5-7.

5.6.8 Other Schedules and Summaries

The SIMO automated programs will be completely flexible to the data acted upon. In addition to extracts of the above schedules and summaries which may be had through utility programs, the programs may be used to create other scenarios. For example: A new Force may be designated and the programs used to determine what equipment is required for a particular time frame and what it will cost. Any of the inputs such as BOI, type equipment, cost or quantities required may be varied to provide comparison outputs. These type variations may be requested from SIMO through the procedures shown in the SIMO Automated Program Users Manual.

5.7 FIELDING SCHEDULES

The objective of Fielding Schedules is to provide times when equipment, personnel and logistical support will arrive at a unit in sufficient quantities to allow for a compatible, operating system. Extensive coordination is required among the Combat Developer, Materiel Developer, Logistician, Trainer, and Receiving Unit to ensure that this occurs within an acceptable time frame. The automation of procurement schedules by AIIMS is a tremendous asset in this regard and leads directly to the automation of the Fielding Schedules themselves. The availability of procurement schedules well in advance of production enables the planners to make much more accurate forecasts of training requirements, including quantities, type training, timing, facilities and resources. In addition, the ability of AIIMS to receive changes, corrections, and updates; rapidly process them; and then provide new outputs allows for the planning to stay current. A simplified flow chart of the automated method of obtaining fielding schedules is shown in Figure 5-10. The required inputs for the schedules are shown in Table 5-2. The following paragraph numbers correspond to the block numbers in the flow chart:

1. Equipment Procurement Lists - The official equipment procurement list is obtained from the RDAC Sheets; however, AIIMS combines this with the specific unit by priority, adds the production dates and makes a prediction of equipment procurement past that shown on the RDAC Sheets. These lists are the basic input data for planning and with the addition of other pertinent factors will produce the actual equipment and personnel fielding schedules. The information on the RDAC Sheets is recorded and may be obtained from the Department of the Army by electrical means.

2. The training requirements for each equipment are extracted from the PQQPRI and the QQPRI as part of the life cycle management. Any additional information required may be obtained by coordination with the Materiel Developer and the Trainer.

3. For the equipment that does not require formal school training, a list is developed showing the quantity for each unit which will require unit training. These lists will be furnished to the appropriate units in advance so that preparation can be made to conduct unit training.

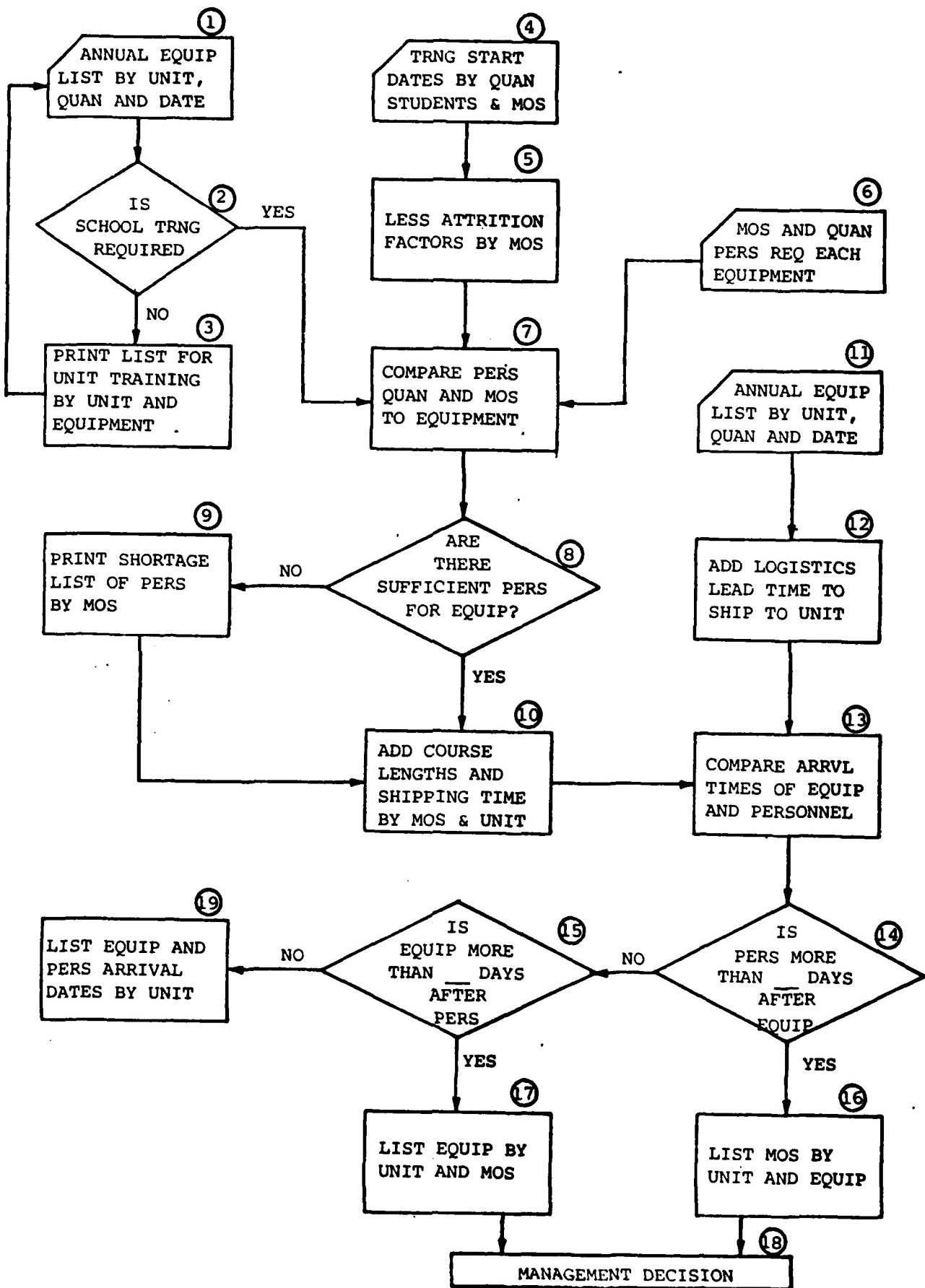


Figure 5-10 Flow Chart For Fielding Schedules

<u>REQUIRED INPUT</u>	<u>PRIMARY SOURCE</u>
Annual Procurement Lists	RDAC Sheets and AIIMS
Training Requirements Per Equipment	PQQPRI and OQPRI
MOS Course Dates by Student Quantity	The Signal Center
Attrition Factors by MOS	The Signal Center
MOS and Personnel Quantity Per Equipment	PQQPRI and QQPRI
MOS Course Lengths	The Signal Center
Personnel Shipping Time To Unit	DA Staff
Logistics Lead Time For Equipment	DA Staff
Production Schedules	DARCOM

Table 5-2 Required Inputs For Fielding Schedules

4. Another basic input is the start date of each MOS course and the planned number of students scheduled for the course. The course length should be an input at this time as well as the time required for any special qualification training to be performed. Student assignments, by name, to specific units should occur as early as possible. All of this information is available within the Signal Center.

5. Various factors, such as academic failure, illness, and court martials account for recycling or withdrawal of personnel from the courses. Statistically these numbers can be determined and the number of graduates should be reduced by the appropriate amount. The information for this input is available within the Signal Center.

6. The MOS requirement and the number of personnel for each equipment, or per unit based on equipment density, will normally be set up as a fixed input to the program. This input will usually be obtained from the PQQPRI and QQPRI. These numbers may be changed if management decides the situation warrants it.

7. In this process the previous inputs are compared to match the amount of personnel by MOS to the amount and type of equipment that is on the equipment procurement list.

8. The above comparison results in a file which will show the status of operators and maintenance personnel for the amount of equipment. A determination must be made at this time if there are going to be sufficient trained personnel to support the equipment going into the field. Consideration is not given to an overage since course input planning should preclude this or make it minimal while a shortage may be unavoidable because of availability of input.

9. At this time a personnel shortage list will be printed showing the shortfalls by MOS and quantity. Resolution of a shortfall situation is a decision of management who must consider all of the alternatives available. A prime consideration is that a shortfall may become cumulative on complex equipment as more of the objective system is fielded and replacement training must be done for the earlier deployments.

10. The course lengths and shipping time for personnel are added to the course start dates. This will give the dates when personnel are due to arrive at their units and later will be compared to the equipment arrival times. The average leave and travel time to various locations can be obtained from DCSPEP at the Department of the Army.

11. The input in Step 1 is now brought into play in the program again. The required information consists of the equipment, quantity, production dates and the unit to which it will be assigned. The production dates are obtained through DARCOM. For equipment not on contract, a production rate will be used and an even production flow assumed.

12. To the above dates is added the additional time required to process and ship the equipment to the receiving unit. This estimate can be obtained through DCSLOG at the Department of the Army and should include shipping and receiving processing, shipment scheduling, intermediate storage and any other known factors to make the times as accurate as possible. If government furnished items are to be installed in an assemblage at the production facility or if an assemblage is to be completed at a depot, this time must be calculated and counted. This operation in the program determines the earliest date that the equipment will be ready for deployment by the unit.

13. The information is now available as to the projected arrival time in the units of the equipment, operating and maintenance personnel, and in what quantities. By making a comparison, management has the tool to determine if the initial advance planning factors are correct, within acceptable limitations, or what adjustments are required.

14, 15. Too much of a mismatch in arrival times of equipment and personnel leads to some undesirable effects. Skill level retention by school trained personnel tends to drop rapidly if not reinforced by employment. If equipment arrives too much earlier than personnel, intermediate storage may be required with its attendant expenses. Some training requirements are more critical than others. For example, school trained personnel will accompany the AN/TTC-39 Tactical

Automatic Switch in their initial deployment. Other types of equipment will not have requirements as rigid. Therefore, a determination must be made of the time allowable for a mismatch for each MOS and type of equipment.

16, 17, 18. Once the maximum mismatch time has been decided, the program will make the comparisons and print lists of the equipment and personnel, by unit, that exceed the allowable time. Management must then decide which, if any, of the dates are acceptable. Among the alternatives to be considered are: whether course start dates can be changed, if the student input per class can be increased, can additional courses be conducted, or if the number of school trained personnel per equipment can be lowered and the teams augmented with on-the-job-training personnel.

19. For the equipment and those personnel who are scheduled to arrive in a unit within an acceptable period of time, the lists will be printed and distribution made. Updating program runs are made as required and new lists distributed. This permits a unit to make early plans for the receipt of equipment and personnel and to provide for follow-on unit training as well as to make any necessary operational changes.

5.8 IMPLEMENTATION MANAGEMENT PROCESS

Automation of data bases, procedures and schedules does not relieve management of its responsibility for making the system work. Rather, it provides the means whereby the overall process is enhanced, permitting management to focus on those areas where emphasis will produce the greatest progress within the system. To achieve this, the basic processes must be carefully instituted so that they will be sound, sustaining and flexible to the demands of the system. The methods and procedures described in the foregoing sections are designed to meet these qualifications and to provide a system of automated INTACS implementation information that will satisfy the requirements of all known and potential users. The SIMO Data Base, when used in conjunction with the automated processes and management methodology described in the INTACS Management Plan, will provide from one source all of the Life Cycle Management and Transition information for tactical communications equipment. Additional ADP capability for SIMO is required at the Signal Center to overcome the inherent problems of remote access such as line failures, slow turn around and slow direct print-out. Off-line capability will provide for program validation and pre-processing of data base inputs. The processes of the management methodology are covered in detail in the INTACS Management Plan.

5.8.1 Data Base Input Management

SIMO must maintain an extensive number of data bases from which information can be drawn by the operating programs. All of these data bases require updating inputs from a variety of sources. A consolidated list of these inputs, their primary sources and recommended frequency of receipt is presented in Table 5-3. These inputs are also listed in the Draft Army Regulation 15-23, attached as Appendix G, which will establish the authority for requesting them on a periodic basis. In addition, there are a number of files and tables which are internal to the SIMO programs and are maintained by the operating personnel.

Some inputs to SIMO are also based on the preliminary outputs. For example, the RDAC Sheets are an initial input, however, the

<u>REQUIRED INPUT</u>	<u>SOURCE</u>	<u>FREQUENCY</u>
o Budget (Actual and Predicted)	DA Staff	Annual and WCO
o Program Objective Memorandum (POM)	DA Staff	Annual
o DA Master Priority Listing (DAMPL)	DA Staff	Annual
o Equipment Costs	DA Staff	Initial and WCO
o Initial Operational Capability (IOC)	DARCOM	Initial and WCO
o Equipment Production Rates	DARCOM	Initial and WCO
o Army Acquisition Objective (AAO)	DA Staff	Initial and WCO
o TOE and BOI	TRADOC	Initial and WCO
o Force Model Equipment Lists	SIG CEN	Initial and WCO
o Research, Development and Acquisition Committee (RDAC) Sheets	DA Staff	Annual
o Current Issue Status	DESCOM	Initial
o Issues, Turn-Ins, Redistribution	DESCOM	Quarterly
o Annual Procurement Lists	DA Staff & SIG CEN	Annual and WCO
o Training Requirements Per Equipment	SIG CEN	Initial and WCO
o MOS Course Date by Student Quantity	SIG CEN	As Required
o Attrition Factors by MOS	SIG CEN	Initial
o MOS and Personnel Quantity Per Equipment	SIG CEN	Initial
o MOS Course Lengths	SIG CEN	Initial
o Personnel Shipping Time To Unit	DA Staff	As Required
o Logistics Lead Time For Equipment	DA Staff	As Required
o Production Schedules and Rates	DARCOM	As Required

Note: WCO=When Changes Occur

Table 5-3 SIMO Required Inputs, Source and Frequency

SIMO predicted equipment procurement lists for future years are an input to RDAC. Similarly, one output may be the basis for a refined input; e.g. the annual equipment procurement list provides a means for the trainer to do more precise planning on MOS Course Dates and Quantity of Students per Course.

Close coordination with the primary sources is necessary to insure maximum accuracy of all inputs. A number of SIMO outputs, such as TOE File by Force and BOI File by Force, within themselves facilitate a re-check of the validity of the original input data. Additionally, each data base, except those on an annual input schedule such as Budget, POM, etc. should be printed out annually and sent to the original source for verification.

As an additional management measure to insure the most up to date information is used, each output should contain in its header format which data bases were used and the date of its last revision. Since the output users include the agencies which supply the inputs this will provide another check that the data used was the most current available.

Many of the required inputs to SIMO are now available, either directly or indirectly, by electrical means (Figure 5-11). Other inputs will also be available in this manner when access terminal facilities are installed.

5.8.2 Operating Programs Management

A number of programs have been developed by SIMO to provide the data required for the Transition Plan and others are to be developed. The inputs, programs and outputs are described in the Draft SIMO Automated Program User's Manual which is designed to provide agencies involved in the transition with knowledge of what information is available to assist them. These are also described in foregoing parts of this plan and to include the details of how they are used to generate the required information.

Maintenance of the programs is a function of the SIMO Computer Specialist Personnel. All programs must be cataloged and documented in accordance with the standard operating procedures of automatic data processing.

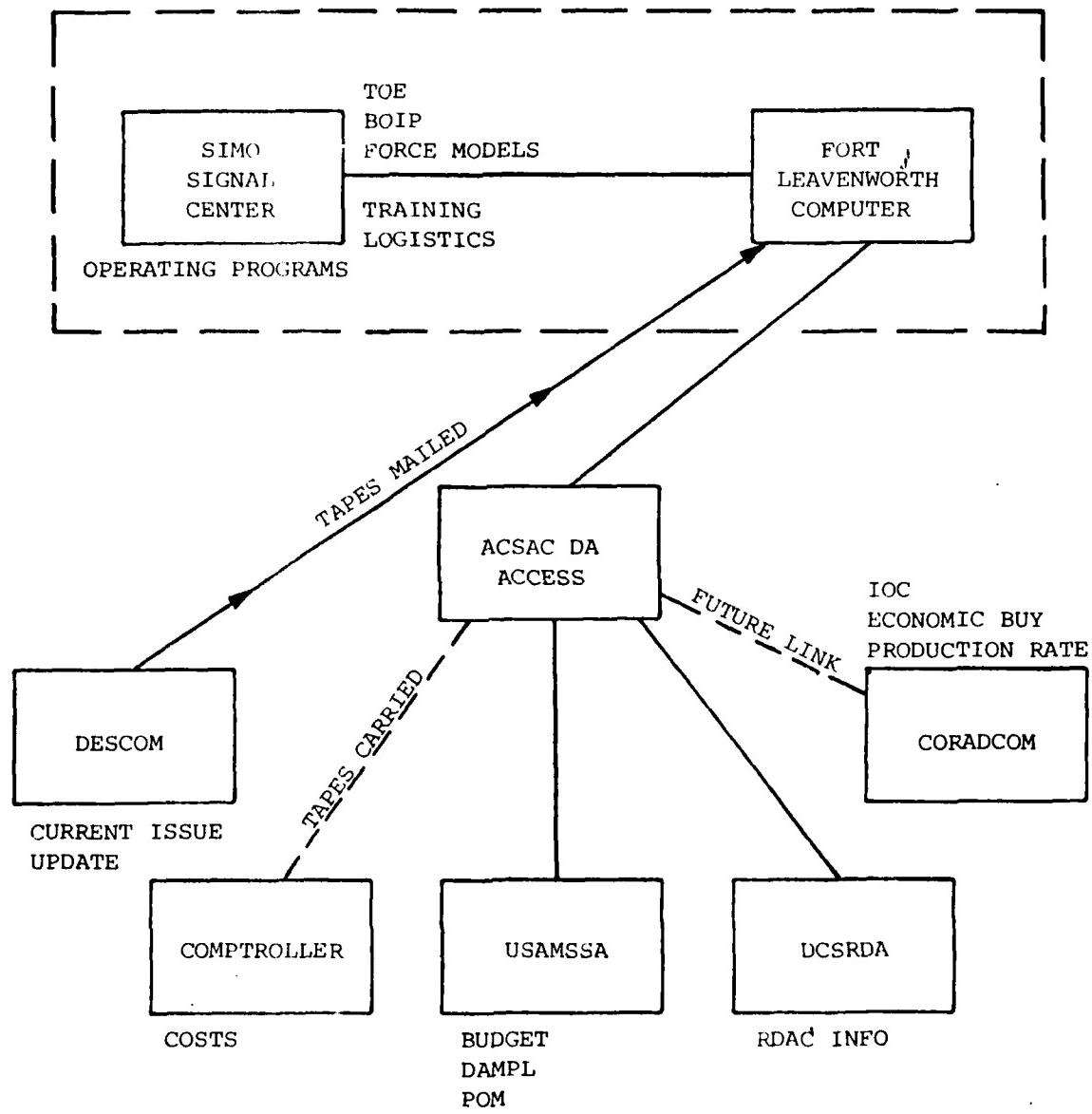


FIGURE 5-11 SIMO INPUTS, INTEGRATION AND UPDATE

5.8.3 System Output Information Management

SIMO outputs will be on both a scheduled and on-call basis.

As user requirements for periodic outputs are developed provision must be made for a suspense system which will state which selected reports are due to which specific offices. The capability for one-time reports, extracts of reports and format modifications will be available in the completed SIMO Data Base. The procedures for requesting periodic and special reports are covered in the SIMO Automated Program User Manual.

Internal to the data bases used by SIMO to produce output will be the date of the last update, which programmer made the update, the date the data was received and from whom it was obtained. Only the names of the data bases used and the date of their last update will appear in the header of the outputs.

The outputs will be made available to the users by electrical means (Figure 5-11) on a limited access basis by placing the completed reports in storage at specific addresses of the central computer. The user will then be called, given the address and told that the report will be available at that address for a specified length of time. The outputs may be accessed by the user through a menu format for the desired reports. The procedures established will also provide for the electronic logging of all agencies accessing the reports, which reports they received and the date and time received. A copy of the log will be printed out once a week and provided to the Chief of the Systems Integration Management Office at Fort Gordon.

6.0 AUTOMATED TRANSITION PLAN

6.1 GENERAL

The Automated Transition Plan contains the actual force/equipment lists, equipment acquisition lists, and fielding schedules, produced by computer, and to be used by management in the implementation of the Transition Plan. As the working documents of the Transition Plan, the automated sections are furnished under separate cover to those agencies concerned with transition planning and implementation. Periodic updates of affected sections will be made when there is a significant change in an input such as budget, force, equipment, IOC, etc. Full automation of these parts of the Transition Plan permits updates to be made rapidly and electronic distribution gets them to the users in a timely manner. The following paragraphs explain the various sections of the Automated Transition Plan and the primary purposes of each. The relationships of the automated transition and evaluation procedures and the SIMO programs are shown in Figure 6-1. The various outputs by Book Index are shown in Table 6-1.

6.2 EQUIPMENT FILES (Book 1)

These files list all the equipment involved from the current issue through the transition period and in the objective system. As an output they are used primarily as reference lists. As an input they provide information about the equipment to other parts of the automated system.

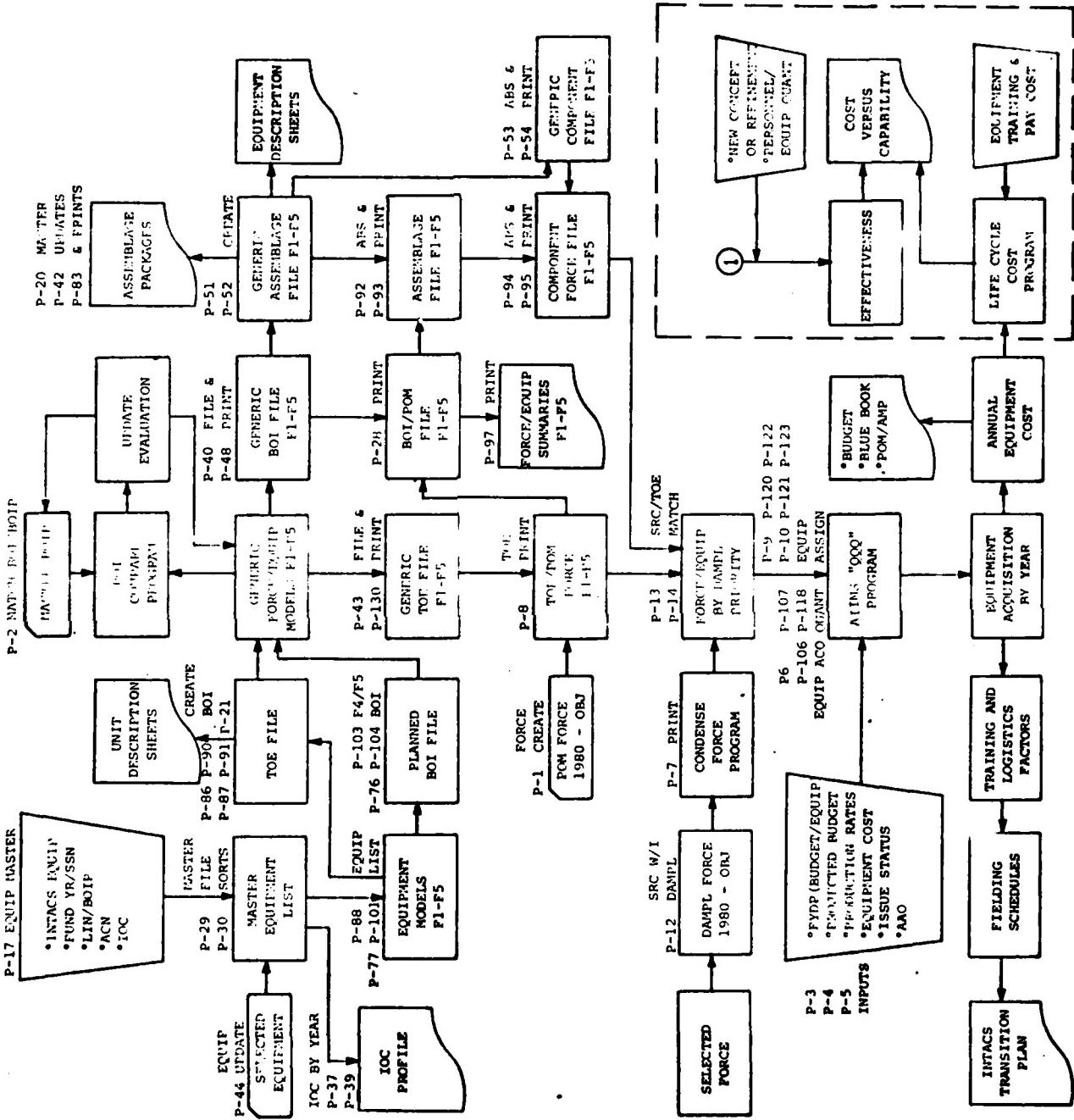
6.2.1 Master Equipment List

This listing provides the AIIMS Key Number, Nomenclature and Description, BOIP Number, Line Item Number, Funding Number, ACN and IOC of all the equipment in the AIIMS data base. The primary listing is by AIIMS Key Number but sorts may be had by any column with alphabetical nomenclature and IOC dates being the two most helpful.

6.2.2 F-1 Through F-5 Equipment Files

The column headings for these files are identical to those in the Master Equipment File but each contains the equipment only for that model. Each model represents a particular phase of transition for units as previously discussed in paragraph 5, Implementation Plan.

SIMO AUTOMATED TRANSITION AND EVALUATION PROCEDURES



AUTOMATED TRANSITION PLAN

BOOK 1 - EQUIPMENT FILES

Equipment Lists, Components and Assemblages

BOOK 1A FORCE/EQUIPMENT SUMMARY (Classified)

BOOK 2 - GENERIC BOI FILE

Generic Forces F-1 thru F-5

BOOK 3 - GENERIC TOE FILE

Generic Forces F-1 thru F-5

BOOKS 4 THRU 9 - FORCE MODEL FILES (Classified)

Force Models from Current and F-1 thru F-5 with Equipment, Summary, Assemblages, Components, Ancillary Items, BOI and TOE

BOOK 10 - POM FORCE FILE (Classified)

POM Force for each Available Year

BOOKS 11 AND 11A - EQUIPMENT ACQUISITION AND DISTRIBUTION (Classified)

Acquisition and Distribution Schedules

BOOK 12 - LCM FILE

Life Cycle Management Sheets

BOOK 13 - ASMI PROGRAM FILE

Program List, Status, Schedules, User List

BOOK 14 - SYSTEM REFERENCE FILE

LIN, TOE, BOIP, Associated Computer Systems

BOOK 15 - USER PROGRAM RUNS

Acquisition, Distribution, Special Runs

TABLE 6-1 INDEX OF BOOKS FOR AUTOMATED TRANSITION PLAN

Each Equipment File is arranged by category of equipment. i.e., Multichannel Transmission, Multiplex, TCCF, etc. Within each category, the equipment may be sorted as desired by Key Number, BOIP Number, Line Item Number, or in order under any other column heading.

6.2.3 Components to Assemblages

These are the generic listings showing the components and which assemblages they are part of by each equipment listing, F-1 thru F-5, as well as a master list.

6.2.4 Assemblage File

This file lists each assemblage by Force F-1 thru F-5 and shows the components for each. A master list of all assemblages is also provided.

6.3 GENERIC BOI FILE (Book 2)

A separate file is created for each Force F-1 thru F-5 by listing of each TOE found in that Force and showing the quantity of each equipment found in that Force.

6.4 GENERIC TOE FILE (Book 3)

These files are identical to the above BOI file but the listings are by TOE showing the equipment in each.

6.5 FORCE/EQUIPMENT MODELS (Books 4 thru 9)

These models take the equipment from each equipment file (preceding paragraph) and combine the equipment with the force from a designated POM. This then provides the total amount of equipment required for that particular force. Active Army, National Guard and Army Reserve requirements are shown as well as the total. The models provide a basis for computing the total buy for end items as well as components and ancillary items. They also show equipment quantity by each type unit. The different formats and information that can be obtained from the Force/Equipment Models is discussed in the following paragraphs.

6.5.1 Equipment Summary By Force

This summary is provided for each of the five (5) Force Models to show the total amount of equipment in the Force during the transition period.

In addition to the total, the amount for the Active Army, National Guard and Army Reserve is shown.

6.5.2 Equipment Assemblages By Force

This list extracts the equipments that are assemblages from the master file and computes the quantities for the designated force. The amount of components for each assemblage and for the total Force is also shown.

6.5.3 Components to Assemblages By Force

Each component is shown along with the total amount in the Force. Also shown is each assemblage where the component is in each assemblage, and how many of each assemblage is in the Force.

6.5.4 End Item Associated/Ancillary Equipment List By Force

In this listing, the end item is shown and the amount of each in the Force. Listed with the end item are the associated/ancillary items that are required for operation but are not part of the end item. The amount of associated/ancillary items required for each end item is shown as well as the total required for the Force.

6.5.5 BOI File By Force

All the TOEs in a Force that contain each piece of equipment are shown. The amount of that equipment in each TOE is shown as well as the total number of units in the Force for the TOE and the total amount of equipment in the Force for each TOE and the grand total for all TOEs.

6.5.6 TOE File By Force

This file lists all the TOEs in the Force and the designated equipment in each TOE. The amount of equipment in the TOE, the total of each type TOE in the Force, and the total amount of each equipment is shown. The TOEs are listed in numerical order with the equipment listed by category order under each TOE.

6.6 POM FORCE FILE (Book 10)

This is a resident file of the yearly POM Force for the years available. A new file is added yearly as it becomes available.

6.7 EQUIPMENT ACQUISITION AND DISTRIBUTION (Books 11 and 11A)

The lists and schedules in this section are the automated means of projecting equipment acquisition and unit distribution through the transition period until the objective system is reached. They are the basis for all future planning in such major areas as budget, production and training. The numerous inputs are all brought together and processed by the AIIMS Programs to produce acquisition and unit distribution schedules based on the equipment availabilities, unit requirements and priorities, and budget constraints. The yearly budget figures are modified by the inflation indices as the acquisition projection is made into the future years.

Of particular importance is the use of these schedules for long range planning. They tell management the predicted status of all units on a yearly basis and also when a unit will be completed with objective equipment. Provisions are incorporated whereby new equipment can be added to the systems or modifications can be made to the equipment lists. The programs are then run again and the new plan is available in a very short time.

6.7.1 Equipment Acquisition Schedule

This is the master acquisition schedule which shows each equipment, the budget allocation, cost per equipment and the quantity to be purchased by year. The AAO is calculated and a prediction is made year by year until it is reached. Alternatively, a certain number of years can be run and the remaining AAO will be grouped as a single post-period buy.

6.7.2 Equipment Distribution Schedule

These schedules are formed by using the above yearly buys, BOI, AAO, and DAMPL. The yearly quantity is assigned to specific units by priority in accordance with the transition scheme. By adding other factors such as equipment production schedules, this becomes the basis for producing fielding schedules.

6.7.3 Fielding Schedules

The Fielding Schedules provide for the managers and planners the times when new equipment and trained personnel will meet in a unit. More importantly, they provide in advance the requirements for training by MOS, quan-

tity and time. By forecasting training requirements well ahead of equipment production, a more accurate allocation of resources can be made by the trainer and class inputs can be programmed more efficiently. Initial schedules are used for coordination among the Combat Developer, Materiel Developer, Logistician and Trainer to resolve any conflicts. Any necessary changes are given to AIIMS, the programs re-run, and the resulting new schedules are distributed. Descriptions of the schedules are presented in the following paragraphs.

6.7.3.1 Unit Training List

This schedule shows the type equipment, quantity, scheduled arrival time, and specific receiving unit for equipment that does not require school training but does require unit training. The input data is derived from the Annual Equipment Procurement Lists and the QQPRI. These lists are furnished to the receiving units so that advanced preparation can be made to receive the equipment and to conduct the necessary unit training.

6.7.3.2 Personnel Shortages By MOS (Section 4.2)

The amount of equipment scheduled for production and the number of personnel scheduled for training are compared to determine if there will be sufficient trained personnel to operate and maintain the equipment. If not, a shortage list will be generated. An overage of personnel is not anticipated. The inputs required to generate this list is the Annual Equipment Procurement Lists, Class Student Inputs and QQPRI. Resolution of shortages is a responsibility of management who must consider all of the alternatives available.

6.7.3.3 Personnel/Equipment Time Mismatches (Section 4.3)

Two lists are prepared in this category. One shows personnel that are scheduled to arrive in a unit past a predetermined time after the equipment has arrived. The other shows equipment due to arrive past a pre-determined time after the personnel are due. These times are based on skill retention times and will be different for different equipment and skill levels. To determine when personnel will arrive in a unit, the course lengths by MOS are added to the start times and the estimated shipping time to the unit is added. The equipment arrival time is calculated by adding the logistics lead time to the production schedules. This time consists of shipping, pro-

cessing, scheduling, assembly completion at depot, intermediate storage and any other known factors. Management must analyze these lists to determine if any of the mismatches are acceptable because of circumstances and to determine which factors can be changed to bring the differences back to an acceptable time.

6.7.3.4 Personnel/Equipment Fielding Schedules (Section 4.4)

These schedules are the ones which show when trained personnel and equipment will arrive in a unit within an acceptable time of each other. The objectives of advanced planning is to eliminate the factors causing the previously discussed exceptions and to get all matches on this list. The lists will show personnel by MOS, unit and arrival time and equipment by quantity, unit and arrival time. These schedules are distributed to the managers and planners involved in the process and to the units who are receiving the personnel and equipment.

6.8 EQUIPMENT LIFE CYCLE MANAGEMENT SHEETS (Book 12)

This is a pre-formatted sheet to which all of the information in the preceding acquisition schedules is added. In addition, the planning quantities and the critical events are added from other sources. To complete the sheet, notes on equipment replaced, special procurement information, MOS requirements and the description are added. For detailed requirements of the LCM Sheets, refer to the U.S. Army Signal Center LCM Handbook supplement to Army and TRADOC regulations.

6.9 ASMI PROGRAM FILE (Book 13)

This book contains current reference material for SIMO management interfaces with all users of the SIMO outputs and for coordination on inputs.

6.10 SYSTEM REFERENCE FILE (Book 14)

This book contains reference material for use with the SIMO data bases. The material allows SIMO to extract required information from other data bases.

6.11 USER PROGRAM RUNS (Book 15)

References of formats and runs for users of the system are filed in this volume.

7.0 TRANSITION PLAN UPDATE

The INTACS Transition Plan is the blueprint by which the Systems Integration Management Office can construct its policies and procedures to fulfill its role as the coordinating office for the transition. In this respect, it is of the utmost importance that changes occurring anywhere within the Transition Functional Cycle (Figure 7-1) be recognized and the necessary adjustments made. The Transition Plan is designed so that an update in any one part will be self-updating in all other areas through normal actions. Discussed throughout the plan are specific items and events which affect the current status of planning and what must be done to incorporate them.

One of the prime driving forces in transition is the system architecture. Changes in any facet of the architecture (equipment additions and deletions, IOC's, production rates, etc.) permeates the entire plan and calls for an immediate update. By entering the appropriate corrections into the cycle, the changes will be recognized and the automated part of the plan will produce updated reference material and new schedules which will be distributed to all concerned with the transition.

Another major factor which will precipitate update requirements is budget changes. The amounts of equipment, and particularly the type that can be acquired in any year will most definitely influence deployment during transition. Interoperability and Continuity of Operations have been stressed in the plan and careful scheduling must be maintained in order to achieve these goals. Prompt action on monetary changes will again result in updated schedules when the changes are fed into the automated function of the plan.

An indispensable portion of the plan is personnel training requirements. The fielding schedules permit equipment and personnel training to be compared and the best possible combination of

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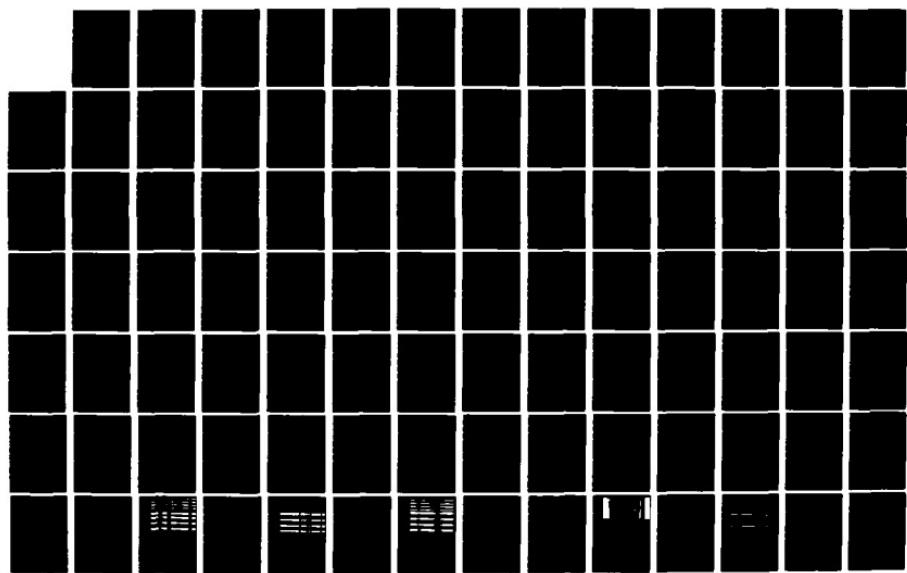
INTEGRATED TACTICAL COMMUNICATIONS SYSTEM (INTTCS)
TRANSITION PLAN(U) MARTIN MARIETTA DENVER AEROSPACE CO
31 MAR 81 DAKK21-79-C-0161

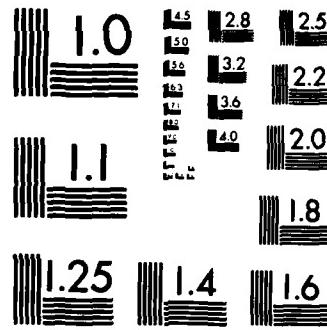
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

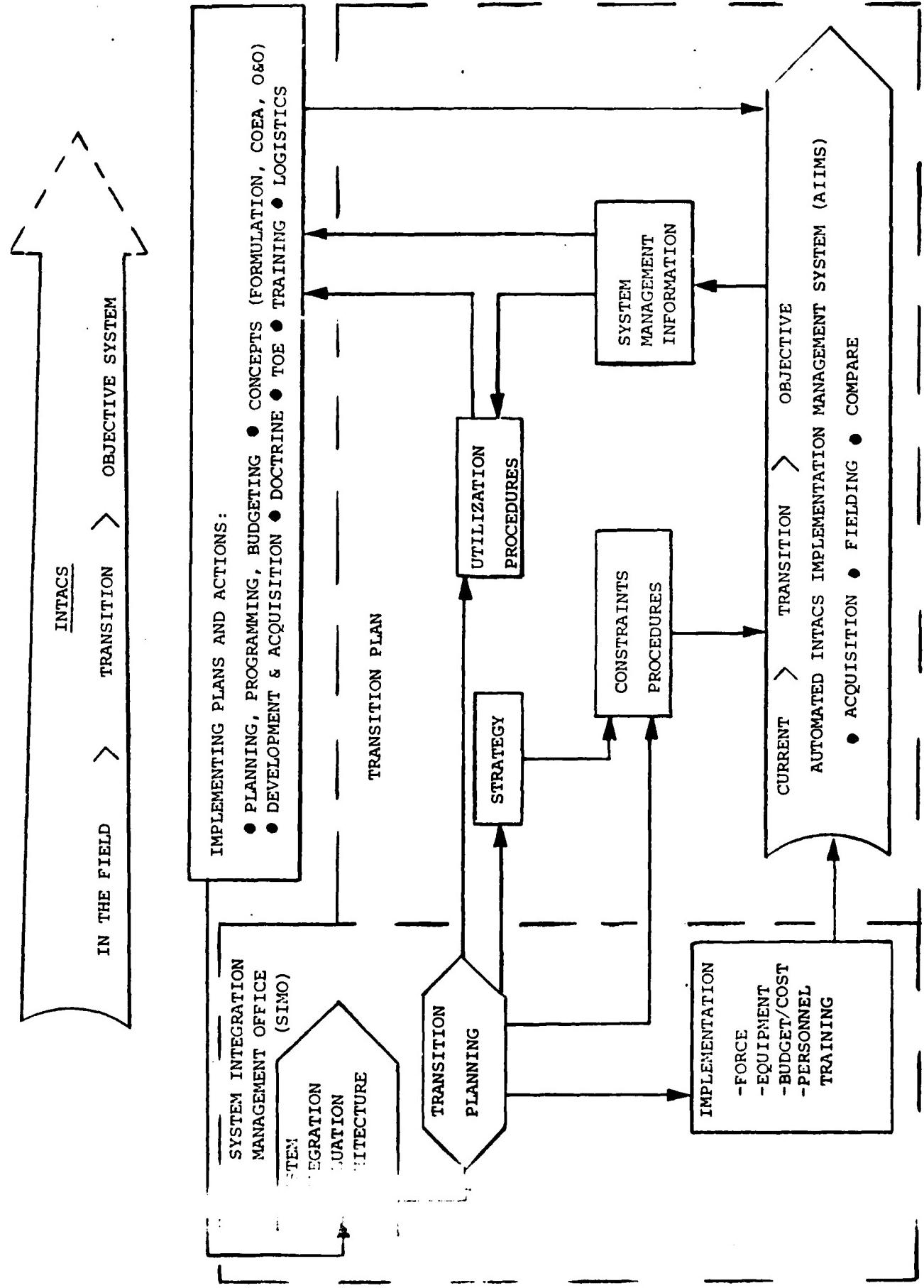


FIGURE 7-1 TRANSITION FUNCTIONAL CYCLE

schedules to be derived. In this area, the best possible forecasts are necessary because of the long lead time required to schedule personnel and to set up training plans and classrooms. Equipment planning and scheduling must be kept current so that the personnel requirements can be determined as early as possible.

APPENDIX A

CURRENT TRANSITION PLANS

1.0 TACOMAP (Tactical Communications System Master Plan)

Development, procurement, production and issue for field use of communications equipment must be accomplished in an orderly, progressive, and efficient manner. The key to such efficiency is coordinated transition planning which must be accomplished in order to merge budget, state-of-the art capability, manpower, and sufficient training resources into an adequate package.

The Tactical Communications System Master Plan (TACOMAP) was the vehicle by which adequate planning of resources were time-phased to yield the desired end-product. Original intent was to provide coherent direction and overall management with objectives to attain and maintain, to identify voids, to correlate and maintain in one plan the man, money and materiel requirements and programs. Overall objective was to facilitate the orderly transition from analog to fully secure automated digital communications. TACOMAP was to be revised annually with the July 1976 revision to reflect the results of the INTACS Study.

The TACOMAP outlines a systematic transition from the present to the future systems. Organizational structure, operational concepts, user priorities, and TRITAC were considered to assure that the Army in the field is furnished and integrated and viable tactical communications system capable of satisfying user requirements. In April 1971 TACOMAP was incorporated into AR 105-1, C-E Telecommunications Management.

The TACOMAP consists of two separate volumes and an annex. Volume I, General, Classified CONFIDENTIAL addresses the major influencing factors on the design of tactical communications systems. Current capabilities and future concepts are discussed. The INTACS Architecture documents equate to an up-to-date version of Volume I of TACOMAP, and will serve as a base for future update of tactical communications within the Army. Volume II of TACOMAP, Programs, Classified CONFIDENTIAL presents graphic displays and narration of equipment, personnel, and training programs to support current and future systems. Projected procurement quantities and related funds are included. Annex A, which is classified SECRET, describes the

threat to tactical communications systems. Volume II, Programs, consists of four sections as follows:

- Section I presents descriptions and schedules of C-E equipment programs to support the present and future systems. Over 50 major single and multi-channel equipments are scheduled for the 10-year period, FY76 through FY85.
- Section II outlines the personnel and training programs essential for the operation and maintenance of the present and future systems.
- Section III is a consolidation of the funding program for the same 10-year period to develop, produce, operate and maintain the system.
- Section IV provides a composite overview of systems capabilities and funding.

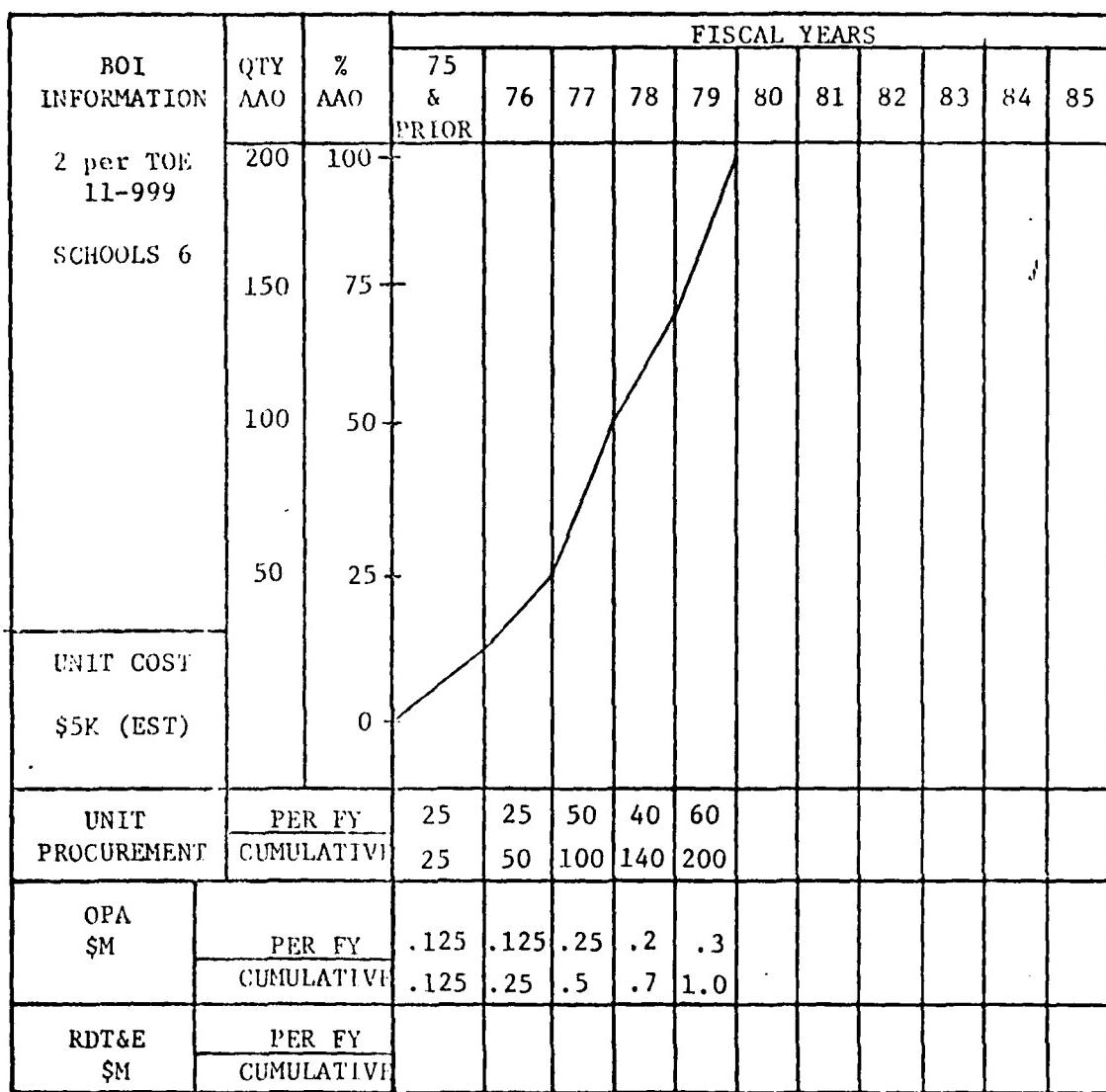
Near the end of the INTACS Study¹ in 1975 it was recommended and approved that an automated program (now called AIIMS) be incorporated to support TACOMAP, beginning in FY79. The equipment program acquisition schedules (with BOI and cost information) generated by AIIMS were to be a direct input to TACOMAP Volume II, Section I and used by all agencies involved in the planning, programming, budgeting and implementation of tactical communications. Figure A-1 is the TACOMAP format for the equipment program acquisition schedules and Figure A-2 is the corresponding AIIMS format. The TACOMAP format for funding as used in Volume II, Section III is shown in Figure A-3 (Note that the time axis and the quantity axis are reversed from the TACOMAP format, and there is no BOI information). Equipment program acquisition schedules (Figure A-2) are summed to provide data in the funding format (Figure A-3)

AIIMS also was intended to provide several system overviews similar to the composite overviews contained in Volume II, Section IV of TACOMAP. An example of an intended system overview is Figure A-4. Hardware cost vs. budget expenditures are shown for the phasing of new equipments into the force units indicated at the middle of the figure.

LINTACS TASK VII, Final Report, December 1975

FIGURE A- 1
Sample TACOMAP Format

AN/SSS WIDGET
TACTICAL COMMUNICATIONS EQUIPMENT
PROGRAM SCHEDULE



▼ MILESTONE

▲ DECISION POINT

NOTES

U. S. ARMY INTACS OBJECTIVE SYSTEM

KEY NUMBER

TOTALS:

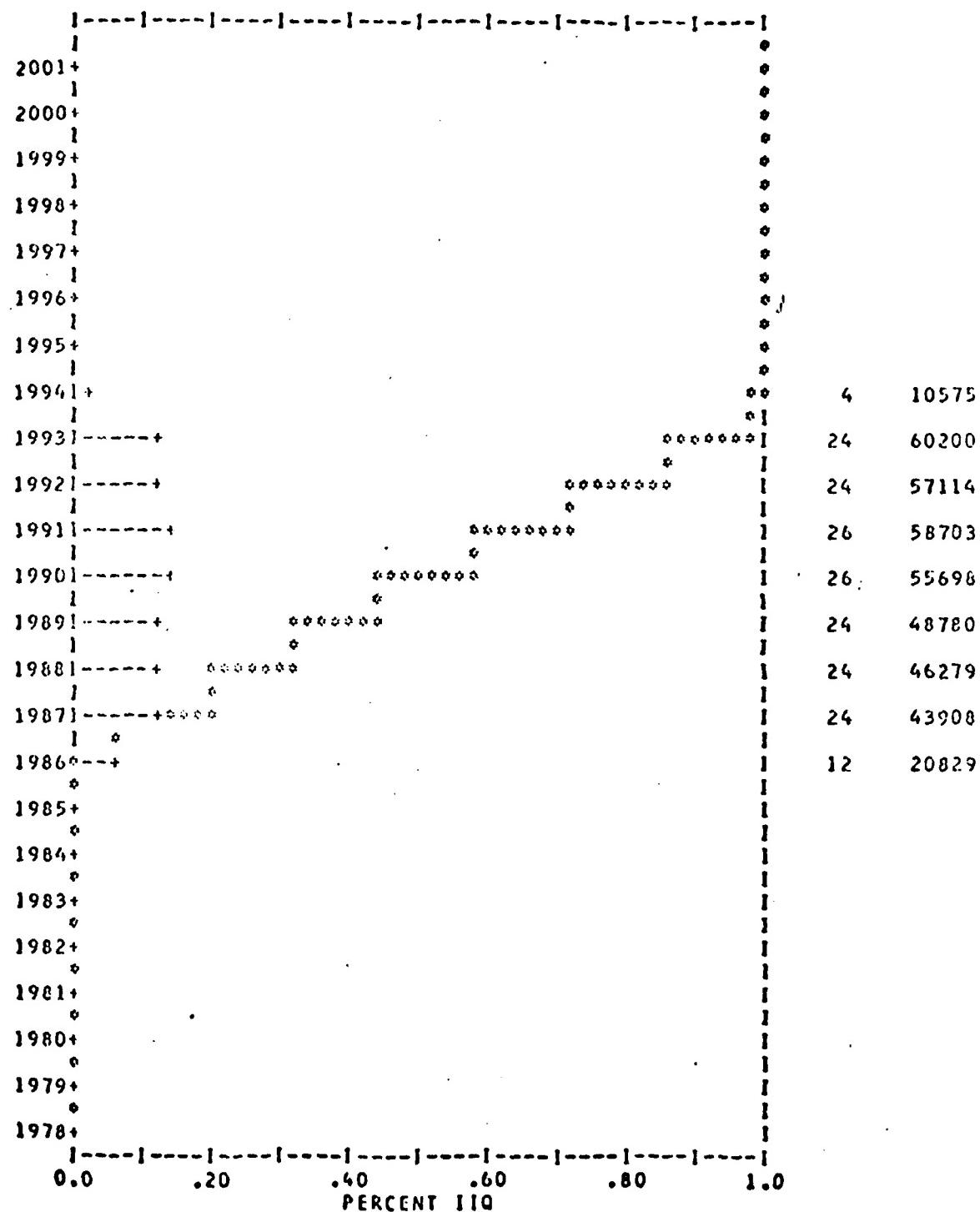
EQUIP 188 \$K-CPA
402090

FIGURE A-2 EXAMPLE OF PROCUREMENT SCHEDULE FOR EACH EQUIPMENT

FIGURE A-3 TACOMAP FORMAT-FUNDING
MULTICHANNEL COMMUNICATIONS SUBSYSTEMS RDTE/OPA

ITEM	EST UNIT COST	FISCAL YEARS										TOTAL
		75 and prior	76	77	78	79	80	81	82	83	84	
<u>TRANSMISSION:</u> EQUIPMENT (AN/SSS-)												
•												
•												
•												
•												
•												
SUB-TOTAL												
<u>SWITCHING:</u> EQUIPMENT (AN/POQ-)												
•												
•												
•												
•												
•												
•												
SUB-TOTAL												
TOTAL TACOMAP												
TOTAL FYDP												
NOTES												

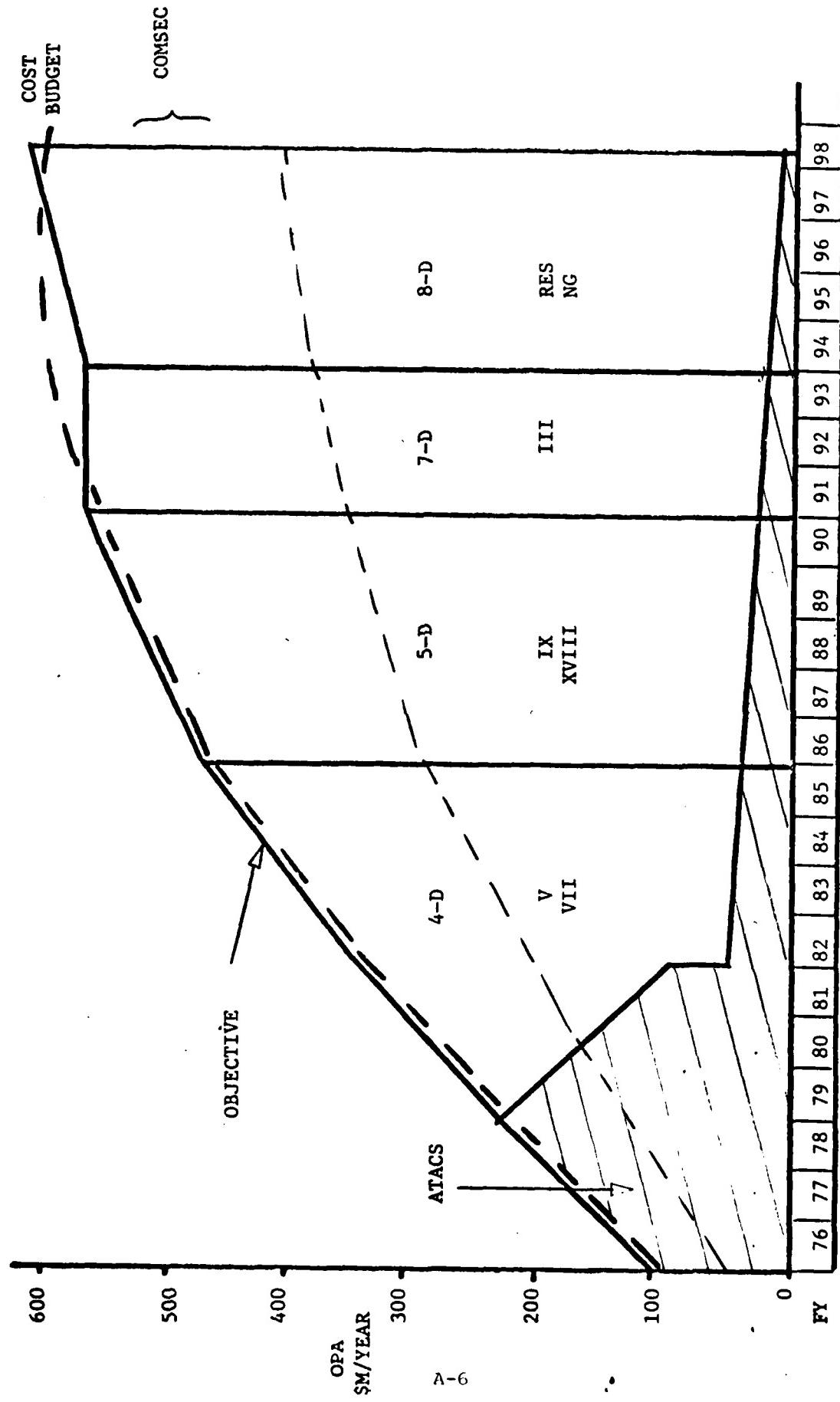


Figure A-4 Implementation Schedule

The figure says that all forces will be implemented with Objective equipments by early FY 1998.

As follow-up on the INTACS recommendation, AIIMS has been under development since 1976 and TRADOC was tasked to update TACOMAP. However, no funding was ever allocated. In November 1979, Department of the Army declared that they do not plan to revise or update TACOMAP, which has remained unchanged since the 1975 edition. Nevertheless, TACOMAP will serve as a guide for developing the INTACS transition plan, and the System Integration and Management Office supported by automated programs (the original AIIMS w/Major Changes, Modification, Expansion) will provide the necessary outputs.

2.0 CURRENT TRANSITION PLANNING

2.1 GENERAL

Other than TACOMAP, the Army does not have a specific written and updated plan. However, currently the System Integration Office in USASC is preparing the essential implementation planning outputs in a time-consuming manual fashion. Keeping track of transition planning is extremely difficult as dates and other factors continually change. The SIMO automated programs, which includes AIIMS, can keep track but will not be totally effective until its data bases are accurate and all affected parties use it to its fullest extent. The management plan and the implementation guidelines will provide the procedures for intra- and inter-command coordination necessary to fully implement SIMO operations.

Transition planning must be flexible so as to adjust to unforeseen changes in equipment. One of the most frequent source of changes is the Product Improvement Program (PIP). The Program is intended to:

- Provide new or improved tactical or operational capabilities or enable utilization in a new role.
- Improve mission availability (operational readiness).
- Make significant compatibility changes in the design or permit use of the item with newer equipment with which it will be operated.
- Provide an alternative technical approach to development of replacement materiel.

- Significantly reduce overall production costs and/or logistic support requirements.
- Provide a means of exploiting new technology - even during development of a new item.
- Provide a cost effective means of meeting urgent mission requirements.

2.2 TRI-TAC TRANSITION WORKSHEET

One of the two most current transition planning documents is the TRI-TAC Transition worksheet (Figure A - 5). It is initiated periodically by TRI-TAC and sent to the US Army Signal Center for completion. By using SIMO automated programs outputs, USASC completes the form by entering the number of major items and components to be budgeted for each fiscal year. As indicated, it provides the using agencies with budget information on all TRI-TAC equipment, by component, starting with FY-80. When completed, most of the worksheets will be classified CONFIDENTIAL, since they will include COMSEC requirements.

2.3 RDAC Worksheet

The other current transition planning document is the RDAC Worksheet which is prepared by the Research, Development and Acquisition Committee (RDAC) and reviewed and updated by the US Army Signal Center. These worksheets become the basis for extremely detailed planning actions of the Army as described in the outdated TACOMAP. The contents of the worksheet includes, but is not limited to the following:

- Equipment/component procurement by FY, by POM Force.
- Unit Cost.
- Basis of Issue.
- Basis for Buy.
- Item Description.
- What it replaces.
- Total Assets by Category (preferred; substitute; unserviceable; overage).

NOTE: The RDAC Worksheet is not shown herein because of classification restrictions and the fact that it is extremely detailed and would be impractical to reproduce.

- Significantly reduce overall production costs and/or logistic support requirements.
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MILDEP ARMY

FIGURE A - SAMPLE TBL-MAC MANUSCRIPT

EQUIPMENT

ACTION OFFICER: GOOD
AUTOVON NUMBER: 992-9999
OFFICE SYMBOL: TTB-ROA

APPENDIX B

AIIMS MASTER PROGRAM LIST

<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0001 (Condense Force create)	Conf.	O	Abstracts required information from Master Force Files.
AIIMSP0002		OPEN	
AIIMSP0003 (Equip Acq)	Conf.	O	Updates equipment acquisition by calculating cumulative buy and AAO from BOI.
AIIMSP0004 (Equip Acq)	Conf.	O	Updates equipment acquisition by calculating each year's buy from last given year.
AIIMSP0005 (Equip Acq)	Conf.	O	Updates acquisition constraints.
AIIMSP0006 (Equip Acq)	Conf.	O	Prints Part I of Equipment Acquisition (Equipment Acquisition By Year With Cumulative Totals.
AIIMSP0007 (Condensed Force File)	Conf.	O	Condensed Force Master File print using POM 80-86 or Objective Files.
AIIMSP0008 (TOE/BOI File)	Conf.	O	TOE/BOI Master File print using POM 80-86 or Objective File.
AIIMSP0009		OPEN	
AIIMSP0010		OPEN	
AIIMSP0011		OPEN	
AIIMSP0012		OPEN	
AIIMSP0013		OPEN	
AIIMSP0014		OPEN	
AIIMSP0015		OPEN	
AIIMSP0016		OPEN	
AIIMSP0017 (Equip Key # Update)	Unclas.	O	Creates and updates Master Equipment List.
AIIMSP0018		OPEN	
AIIMSP0019		OPEN	
AIIMSP0020 (Equip Package Update)	Unclas.	O	Updates Equipment Package File.

<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0021 (TOE Update)	Conf.	O	Updates TOE Master File.
AIIMSP0022		OPEN	
AIIMSP0023	Conf.	O	Prints Input Budget Information
AIIMSP0024	Conf.	O	Creates Beginning AAO
AIIMSP0025 (BOIP Print)	Unclas.	O	Prints Condensed BOIP From File F-7.
AIIMSP0026		OPEN	J
AIIMSP0027		OPEN	
AIIMSP0028 (BOI File)	Conf.	O	Equipment Line Number Print with SRCs That Contain That Equipment.
AIIMSP0029 (Equip File)	Unclas.	O	Equipment File by Nomenclature Abstract.
AIIMSP0030 (File Print)	Unclas.	O	Equipment Master File Print in Key Order.
AIIMSP0031		OPEN	
AIIMSP0032		OPEN	
AIIMSP0033 (Associated/ Ancillary)	Unclas.	O	End Item Associated/Ancillary Items Abstract and Sort.
AIIMSP0034		OPEN	
AIIMSP0035		OPEN	
AIIMSP0036		OPEN	
AIIMSP0037 (IOC Print)	Unclas.	O	IOC Profile Print.
AIIMSP0038		OPEN	
AIIMSP0039 (IOC Create)	Unclas.	O	IOC Profile Create.
AIIMSP0040		OPEN	
AIIMSP0041 (BOI Update)	Unclas.	O	BOI Update w/Force Model
AIIMSP0042 (Package Print)	Unclas.	O	Equipment Package File Print.

<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0043 (Generic TOE)	Unclas.	O	Generic TOE.
AIIMSP0044 (Equip Update)	Unclas.	O	Creates and Updates Force Model Master.
AIIMSP0045 (SRC Print)	Unclas.	O	Lists Equipment By Force Model And Shows SRCS.
AIIMSP0046 (TOE List)	Unclas.	O	TOE List (ASEP).
AIIMSP0047 (TOE List)	Unclas.	O	TOE List (ASEP). J
AIIMSP0048 (Generic BOI)	Unclas.	O	Generic BOI by Key Number.
AIIMSP0049 (TOE Edit)	Conf.	O	Equipment Model TOE Edit
AIIMSP0050 (TOE Update)	Conf.	O	Equipment Model TOE Update
AIIMSP0051 (Assy to Equip)	Conf.	O	Force Model Assemblage to Equipment Print.
AIIMSP0052 (Assy Print)	Conf.	O	Force Model Package Abstract.
AIIMSP0053 (Comp Abs)	Conf.	O	Masters Component to Assemblage List.
AIIMSP0054 (Comp Print)	Conf.	O	Force Model Assemblage to Equipment Abstract.
AIIMSP0055		OPEN	
AIIMSP0056		OPEN	
AIIMSP0057		OPEN	
AIIMSP0058		OPEN	
AIIMSP0059 (Maint)	Unclas.	O	File 9 Backup for File 30 (Maintenance).
AIIMSP0060 (Maint)	Unclas.	O	File 4 Backup for File 31 (Maintenance).
AIIMSP0061 (Maint)	Unclas.	O	File 11 Backup for File 32 (Maintenance).
AIIMSP0062 (Maint)	Conf.	O	File 2 Backup for File 33 (Maintenance).

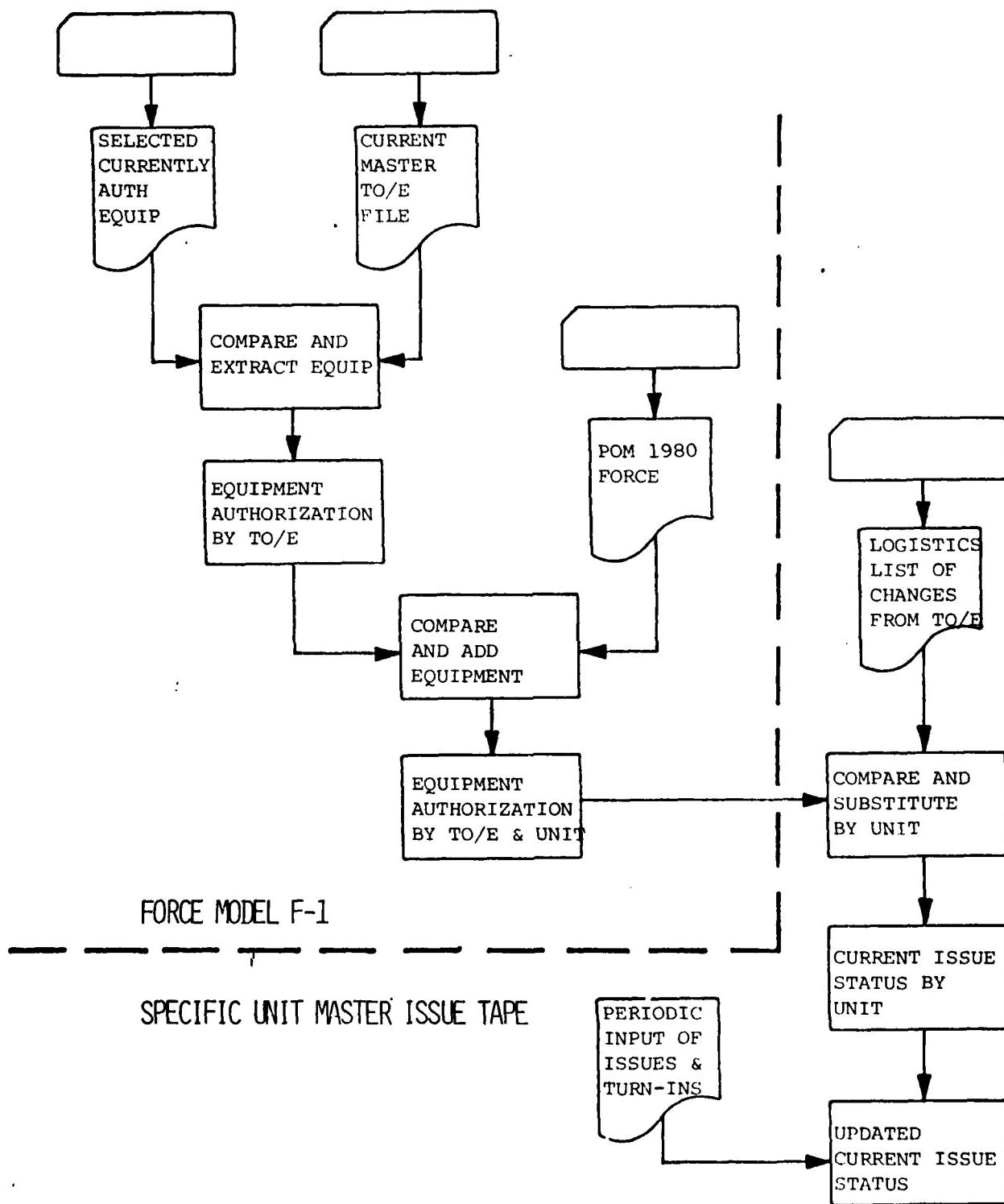
<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0063 (Maint)	Conf.	O	Rewrite of File 2 to New Format (Maintenance).
AIIMSP0064 (Maint)	Unclas.	O	Rewrite of File 4 to New Format (Maintenance).
AIIMSP0065 (Maint)	Unclas.	O	Rewrite of File 9 to New Format (Maintenance).
AIIMSP0066 (Maint)	Unclas.	O	Rewrite of File 11 to New Format (Maintenance).
AIIMSP0067		OPEN	
AIIMSP0068		OPEN	
AIIMSP0069		OPEN	
AIIMSP0070		OPEN	
AIIMSP0071		OPEN	
AIIMSP0072		OPEN	
AIIMSP0073		OPEN	
AIIMSP0074		OPEN	
AIIMSP0075 (BOI Update)	Conf.	O	Update BOI w/POM
AIIMSP0076 (BOI Update)	Unclas.	O	BOI Update.
AIIMSP0077 (Force Listings)	Unclas.	O	F-1/F-5 Equipment Listing by Category.
AIIMSP0078 (Maint)	Conf.	O	File 1 Backup (Maintenance).
AIIMSP0079 (Maint)	Conf.	O	File 1 Restore (Maintenance).
AIIMSP0080 (Ancillary Items)	Unclas.	O	End Item Associated/Ancillary Print.
AIIMSP0081 (Comp Update)	Conf.	O	File 29, Components to Assemblages, Updated with BOI.
AIIMSP0082		OPEN	
AIIMSP0083		OPEN	

<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0084 (Assy Sum)	Unclas.	O	Assemblage Component Summary Creation.
AIIMSP0085 (BOI Update)	Conf.	O	Adds BOI When no TOE Record is Available.
AIIMSP0086 (Force)	Unclas.	O	Create Force Model by Key Select.
AIIMSP0087 (TOE File)	Conf.	O	Create 80 TOE File.
AIIMSP0088 (Force)	Unclas.	O	Force Model Key Abstract.
AIIMSP0089 (Force)	Unclas.	O	Force Model Summary Abstract.
AIIMSP0090 (BOIP Edit)	Unclas.	O	Edits BOIP Records.
AIIMSP0091 (TOE Update)	Conf.	O	TOE Update.
AIIMSP0092 (Category Abs)	Unclas.	O	Equipment Category Abstract.
AIIMSP0093 (Assy/Force)	Conf.	O	Assemblage By Force Category Print.
AIIMSP0094 (Comp Abs)	Conf.	O	Components to Assemblage Abstract.
AIIMSP0095 (Comp Print)	Conf.	O	Components to Assemblage Print.
AIIMSF0096 (F-3 BOI)	Conf.	O	Creates F-3 BOI.
AIIMSP0097 (Assy Sum)	Conf.	O	Assemblage Summary by Force.
AIIMSP0098 (BOIP)	Unclas.	O	Reads BOI Tape for Selected Items.
AIIMSP0099		OPEN	
AIIMSP0100		OPEN	
AIIMSP0101 (Force Match)	Unclas.	O	Equipment List Showing Force Model Location and BOI Status by Force Model.
AIIMSP0102 (Comp/Assy)	Conf.	O	Updates Force Model Assemblages to Equipment.

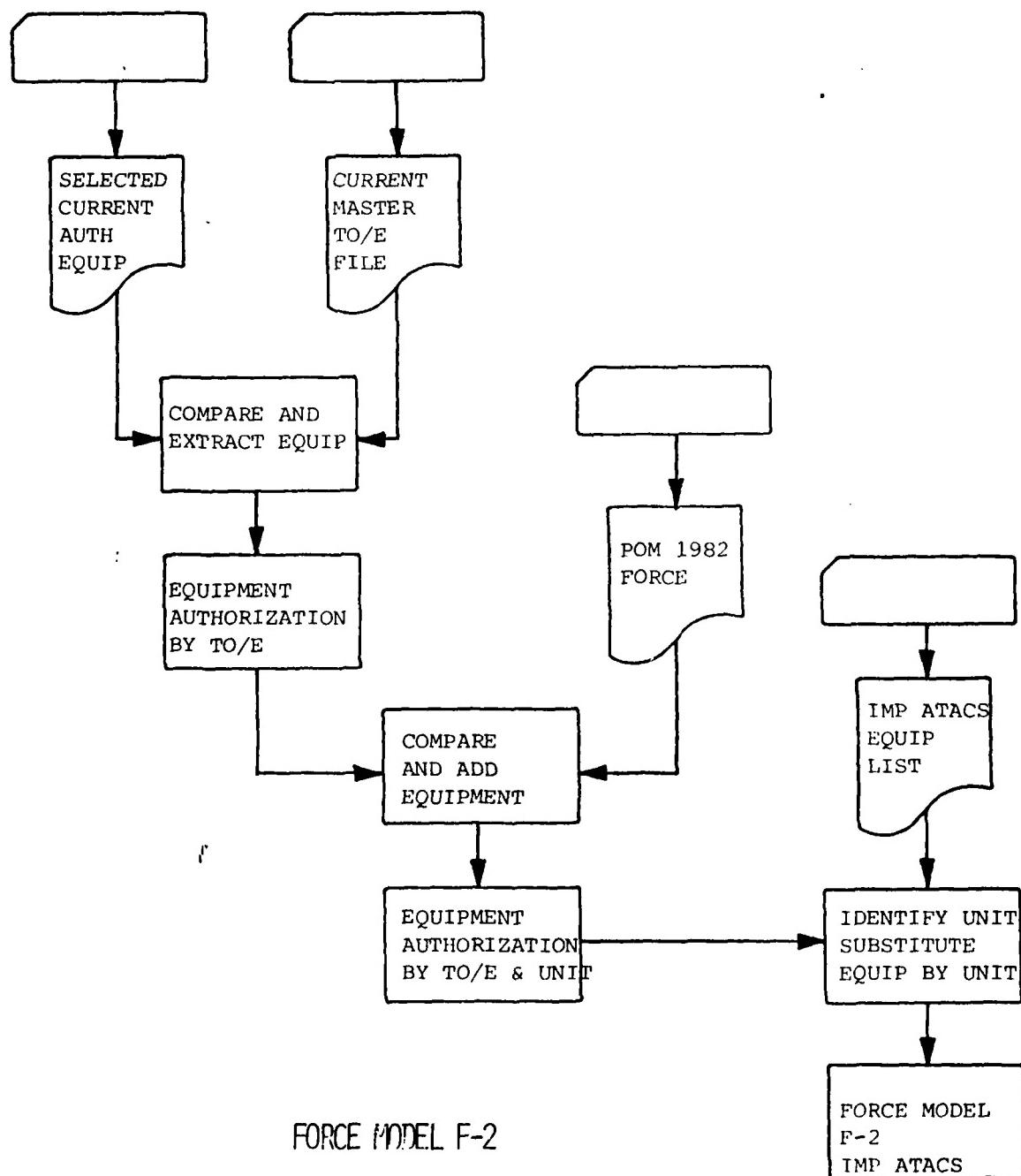
<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0103		OPEN	
AIIMSP0104		OPEN	
AIIMSP0105 (Force)	Conf.	O	Creates F-46 Force Model Abstract.
AIIMSP0106 (Annlist Abs)	Conf.	O	Annual Equipment Quantities.
AIIMSP0107 (Annlist Print)	Conf.	O	Annual Equipment Quantities (ANNLIST). J
AIIMSP0108		OPEN	
AIIMSP0109		OPEN	
AIIMSP0110		OPEN	
AIIMSP0111		OPEN	
AIIMSP0112		OPEN	
AIIMSP0113		OPEN	
AIIMSP0114		OPEN	
AIIMSP0115		OPEN	
AIIMSP0116 (Maint)	Conf.	O	Creates Backup File for File 10.
AIIMSP0117 (Maint)	Conf.	O	Restores File 10.
AIIMSP0118 (Equip Acq)	Conf.	O	Equipment Acquisition Summary.
AIIMSP0119		OPEN	
AIIMSP0120 (Acq Update)	Conf.	O	Updates File 6 (Equipment Quantities) with Equipment Quantities from File 10 (RDAC).
AIIMSP0121 (Acq Sort)	Conf.	O	Abstract and Sort from File 6 (Equipment Quantities).
AIIMSP0122 (Force Abs)	Conf.	O	Abstract from BOI Condensed Force.
AIIMSP0123 (Equip Assgn)	Conf.	O	Equipment Assignment to Units.

<u>NAME</u>	<u>CLASS.</u>	<u>STATUS</u>	<u>DESCRIPTION</u>
AIIMSP0124 (Maint)	Conf.	O	File 26 Backup (Maintenance)
AIIMSP0125 (Maint)	Conf.	O	File 26 Restore (Maintenance).
AIIMSP0126 (Maint)	Conf.	O	File 29 Backup (Maintenance).
AIIMSP0127 (Maint)	Conf.	O	File 29 Restore (Maintenance).
AIIMSP0128 (Maint)	Conf.	O	File 8 Backup (Maintenance).
AIIMSP0129 (Maint)	Conf.	O	File 8 Restore (Maintenance).
AIIMSP0130 (TOE Create)	Unclas.	O	Creates TOE from BOI

APPENDIX C. FLOW CHARTS FOR FORCE MODELS F-1 THRU F-5

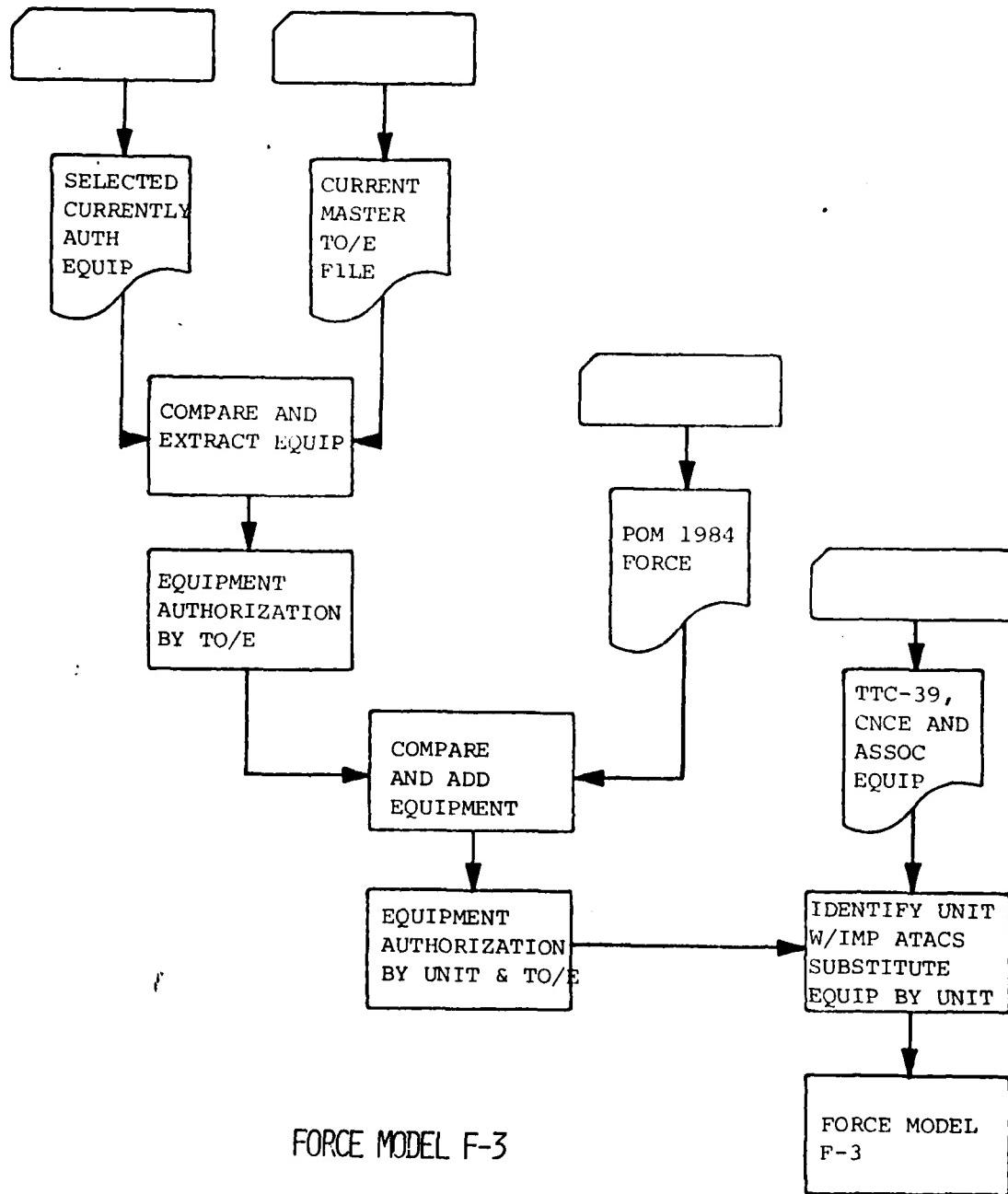


FLOW CHARTS FOR FORCE MODELS F-1 THRU F-5 (CONT'D)



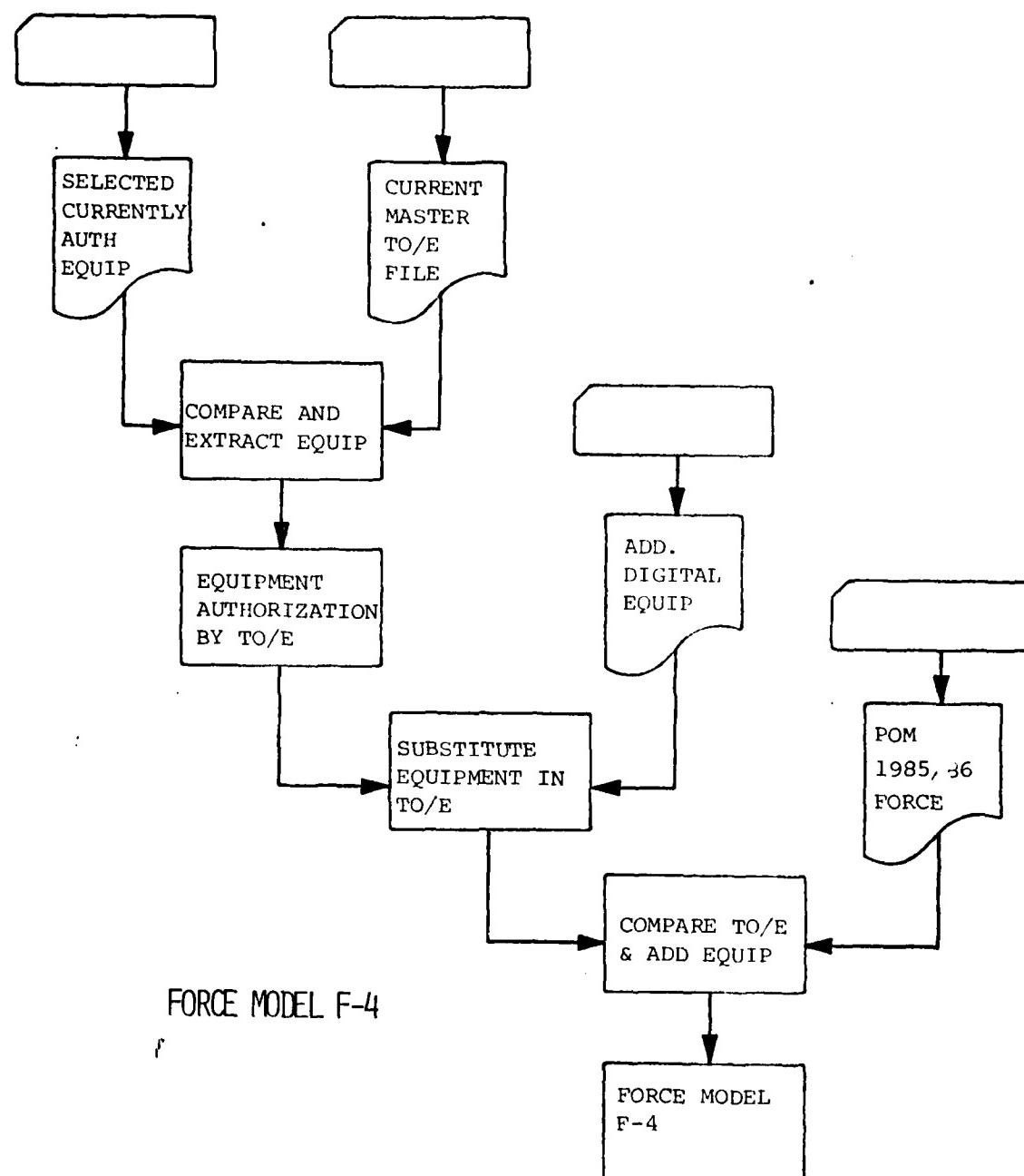
FORCE MODEL F-2

FLOW CHARTS FOR FORCE MODELS F-1 THRU F-5 (CONT'D)

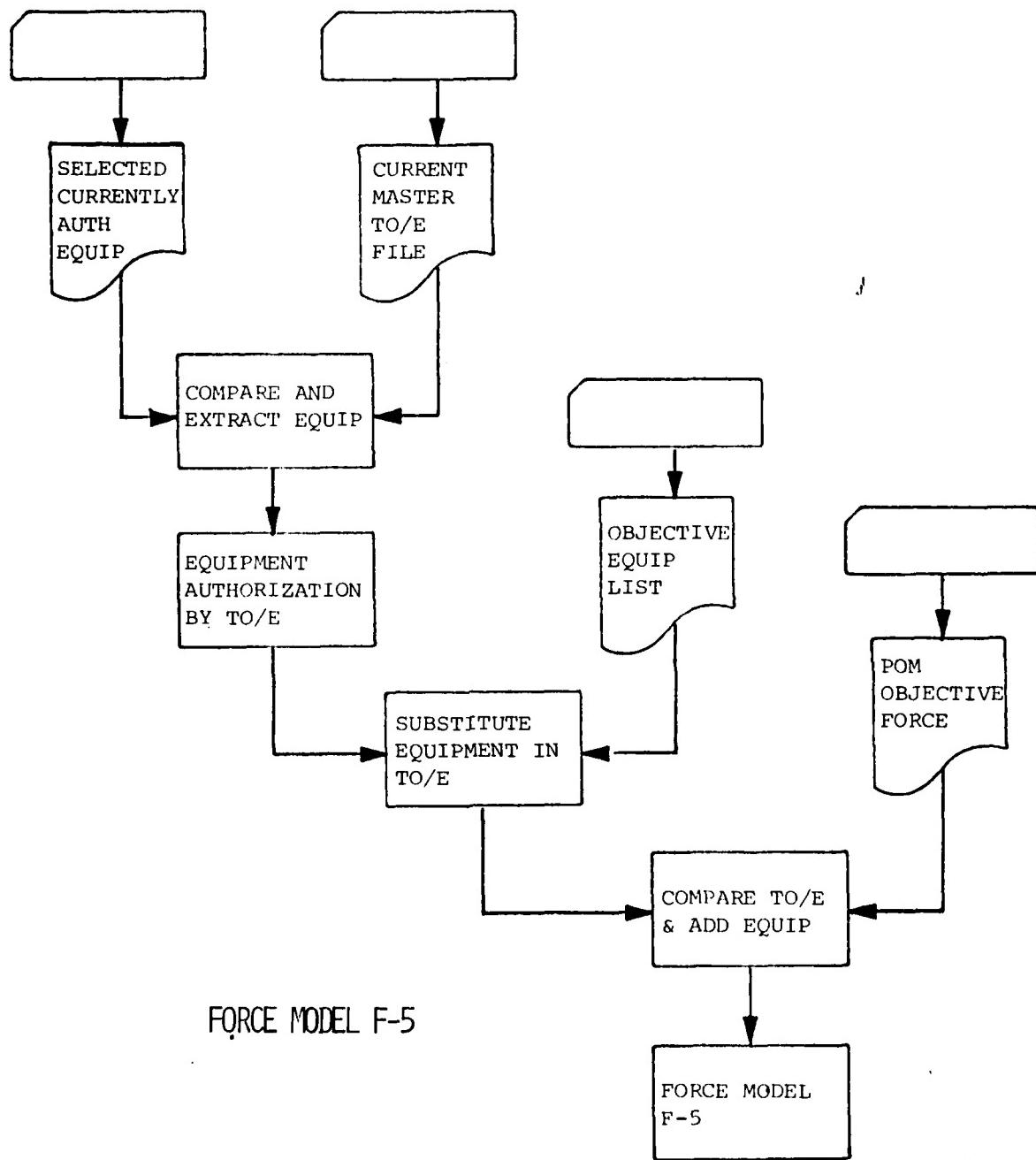


FORCE MODEL F-3

FLOW CHARTS FOR FORCE MODELS F-1 THRU F-2 (CONT'D)



FLOW CHARTS FOR FORCE MODELS F-1 THRU F-2 (CONT'D)



APPENDIX D

EQUIPMENT LISTS F-1 THRU F-5

EQUIPMENT LIST F-1 IS A LISTING OF THE INTACS CURRENT EQUIPMENT WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

THE FOLLOWING INFORMATION IS FURNISHED:

- 1 - REV # - THE PERSANTE NUMBER OF AN EQUIPMENT IN THE DATA BASE.
- 2 - NOMENCLATURE, ACRONYM, DESCRIPTION - EQUIPMENT IDENTIFICATION.
- 3 - BUIP # - BASIS OF ISSUE PLAN FOR FUTURE EQUIPMENT.
- 4 - LINE # - LIN ALPHAMERIC LINE ITEM NUMBER IDENTIFICATION OF A GENERIC NOMENCLATURE.
- 5 - SSN - STANDARD STUDY NUMBER - FUNDING NUMBER ASSIGNED TO APPRAISE PROCUREMENT ITEMS.
- 6 - ACN - ACTION CONTROL NUMBER ASSIGNED TO TRACK ALL ACTIONS PERTAINING TO A PROGRAM.
- 7 - FY40 YR - INITIAL FUNDING YEAR.
- 8 - IOC - INITIAL OPERATIONAL CAPABILITY - TIME WHEN EQUIPMENT AND TRAINED PERSONNEL CAN BE DEPLOYED.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) (0 MAR 3,1981 00).

THIS REPORT IS AVAILABLE ONLY BY EQUIPMENT CATEGORY, BUT MAY BE SORTED BY ANY COLUMN WITHIN CATEGORY.

QUESTIONS SHOULD BE ADDRESSED TO JSASC-S14 AUTON 730-3182/3671.

DATE 03/04/81 EQUIPMENT FILE FORCE 4JOELLE - FI
BY KEY NUMBER

KEY # NOMENCLATURE ACRONYM DESCRIPTION PAGE 2
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EQUIPMENT FILE FORCE 410EL: F1
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ALIMSP0077

KEY # MONOGRAM / ACRONYM DESCRIPTION

601P #

LIVE #

FUND

ACN

YR

IOC

REMARKS

***** MILITARY CHANNEL TRANSMISSION

AAD000 TSC-05	TACSAT 4/C TERMINAL (SHF)	7229508	552242	BB1250	22752	77	379
AAD166 TRC-113	RADIO REPEATER SET	R78062	35323	N/A			
AAD212 GRC-53	RADIO SET 4/PC4		00000	00	N/A		
AAD233 GRC-144(W1)	RADIO SET 10DM1		00000	00	N/A		
AAD301 TRC-115	RADIO TERMINAL SET		0922694	BS2800	00000	75	N/A
AAD362 TRC-138	RADIO REPEATER SET		R78068	844600	35325	75	N/A
AAD363 TRC-112	RADIO TERMINAL SET		Q92246	00000	75	N/A	
AAD364 TRC-121	RADIO TERMINAL SET		Q92258	00000	75	N/A	
AAC365 TRC-132A	RADIO TERMINAL SET		Q92277	00000	75	N/A	
AAD362 TRC-110	RADIO REPEATER SET		Q2371	00000	75	N/A	
AAC390 TRC-117	RADIO TERMINAL SET		Q92254	00000	75	N/A	
AAC454 MRC-127	RADIO TERM SET (ABN DIV)		Q92197	00000	75	N/A	

***** QUADPLEX

AAC377 TCC-65	TERMINAL TELEPHONE		V28144	—	00000	75	N/A
AAC378 TCC-72	TERMINAL TELEPHONE		V5827	00000	75	N/A	
AAC310 TCC-73(W2)	TERMINAL TELEPHONE		V21452	35329	75	N/A	
AAC325 TCC-60	TERMINAL TELEPHONE		V3167	00000	75	N/A	
AAD352 TD-206B/6	PULSE FORM RESTRIKER		V08221	35334	75	278	
AAC372 CV-1919	SIGNAL CONVERTER		Q2578	20367	75	172	
AAC349 TCC-61	TERMINAL TELEPHONE		V31619	—	N/A		
AAC240 TCC-63	TERMINAL TELEPHONE		V5550	—	N/A		
AAD611 TU-202	MULTIPLEXER SET		M84579	—	N/A		
AAD612 TU-204	MULTIPLEXER SET		M84543	—	N/A		
AAD612 EN-1510	TP SIGNAL CONVERTER		F0675	83675	—	N/A	
AAD513 TO-660	MULTIPLEXER SET		M84608	837400	—	N/A	
AAD514 TD-751	MULTIPLEXER SET		245501	—	N/A		

***** TACTICAL COMMUNICATIONS CONTROL FACILITIES

AAC323 MSC-25	OPERATIONS CENTER COMM		N19077	—	35327	75	481
AAD326 MSC-31	OPERATIONS CEN COMM		N20115	—	00000	75	N/A
AAC325 MSC-32	OPERATIONS CENTRAL		N20663	—	35327	75	N/A
AAD331 TSC-75	COM4 PATCHING CENTER		077996	00000	75	N/A	
AAD332 SB-475	COM4 PATCHING PANEL		N5996	00000	75	N/A	
AAD333 SB-411	COM4 PATCHING PANEL		N5934	00000	75	N/A	

***** SWITCHING

AACCC63 SB-22	SWBD TELEPHONE MANUAL		U81107	—	23670	75	281
AAC0119 SB-93	SWITCHBOARD MANUAL		—	00000	75	N/A	
AAD311 MTC-1A	CENTRAL OFFICE TELEPHONE		078007	00000	75	N/A	
AAD312 TTC-23	CENTRAL OFFICE TELEPHONE		079476	00000	75	N/A	
AAD313 TTC-23	CENTRAL OFFICE TELEPHONE		079991	00000	75	N/A	
AAD314 TTC-35(W1)	CENTRAL OFFICE TELEPHONE		079467	00000	75	N/A	
AAD315 TTC-35(W2)	CENTRAL OFFICE TELEPHONE		079468	00000	75	N/A	

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EQUIPMENT FILE FORCE MODELS: F1

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KEY # NOMENCLATURE ACRONYM DESCRIPTION

***** SWITCHING

KEY #	NOMENCLATURE	ACRONYM	DESCRIPTION	BUDG #	LINE #	SSN	ACN	YR	LOC	FUND	REMARKS
AA0318	SB-6		SWITCHBOARD IP MANUAL	U82255		00000	75		N/A		
AA0354	M1		CENTRAL OFFICE TELEPHONE	D7938		00000	75		N/A		
AA0413	TTC-25(V1)		CENTRAL OFFICE TELEPHONE	D78102					N/A		
AA0414	TTC-25(V2)		CENTRAL OFFICE TELEPHONE	D78594					N/A		
AA0419	SB-3032		SWBD IP MANUAL (CORDLESS)	U82597					N/A		

***** TERMINALS

AA0092	TA-312		TELEPHONE SET	V31211	R43606	23470	75		N/A		
AA0633	TA-77		TONE SIGNAL ADAPTER/SB-22	770066	T25726				481		
AA0055	TA-1		TELEPAINE SET	V3052		00000	75		N/A		
AA0097	TA-87		REPEATER TELEPHONE		R80360		00000	75	N/A		
AA0339	TA-54		TELEPHONE SET		V30937		00000	75	N/A		
AA0340	TA-51		TELEPHONE SET		V31243		00000	75	N/A		
AA0357	TA-275		TELEPHONE SET		V30653		00000	75	N/A		

***** RECORD-TRAFFIC

AA0355	UGC-74(AW3)		TELETYPE WRITER	760091	V36146	875000	23970	77	181		
AA0356	GXC-74		TACTICAL ANALOG FACSIMILE		735204	SC3009	22741	78	481		
AA0357	GSC-9		MESSAGE CENTER		D78271		00000	75	N/A		
AA0328	MCC-19		TY OPERATION'S CENTRAL		V39228		00000	75	N/A		
AA0329	TSC-30		CENTRAL OFFICE TTY		D80116		00000	75	N/A		
AA0330	TSC-53		TERMINAL TELEGRAPH		V57504		00000	75	N/A		
AA0335	GCC-3		TELETYPE WRITER SET		V41968		00000	75	N/A		
AA0336	GXC-5		FACSIMILE SET		226954		00000	75	N/A		
AA0337	PGC-1		TELETYPE WRITER SET		V42105		00000	75	N/A		
AA0338	TAC-1		FACSIMILE SET		H31115		00000	75	N/A		
AA0339			DS1E-LQ		278668		00000	75	N/A		
AA0342			DS1E-H1		278668		00000	75	N/A		
AA0353	FCC-25		TELETYPE WRITER SET		V03721		00000	75	N/A		
AA0355	MCC-22		TELETYPE WRITER TERMINAL		V64023		00000	75	N/A		
AA0356	MCC-23		TELETYPE WRITER RELAY		V393509		00000	75	N/A		
AA0420	MCC-32		TY OPERATION'S CENTRAL		V39553				N/A		
AA0421	MSC-23		TERMINAL TELEGRAPH		V57161				N/A		
AA0464	MCC-17		CENTRAL OFFICE TTY		D79866				N/A		
AA0495	TT-4		TELETYPE WRITER		V36762		00000	00	N/A		
AA0497	TT-76		TELETYPE WRITER		V57729	B71900			N/A		
AA0522	TH-22		TELEGRAPH TERMINAL		V57729	B72000			N/A		
AA0533	TCC-23		TELEGRAPH-TELEPHONE TERM								

***** SINGLE CHANNEL RADIO

AA0108	PRC-70		RADIO SET AM/FM MANPACK	690473	R38369	805100	05137	77	481		
AA0227	PRC-7		PRC-7 SET HF/SSB PORTABLE		Q38119		00000	00	N/A		
AA0208	WRC-26		RADIO SET VHF/JHF AM VEH		050421		00000	75	N/A		
AA0203	TRC-60		RADIO SET VHF/JHF AM FWD		041407		00000	00	N/A		
AA0306	TSC-23		COMMUNICATION'S CENTRAL		E59626		00000	75	N/A		
AA0333	GR4-33		RADIO SET CONTROL GRoup		078282	806300	00000	75	N/A		

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KEY # NOMENCLATURE ACRONYM DESCRIPTION

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REF # NOMENCLATURE ACRONYM DESCRIPTION

SINGLE CHANNEL RADIO

REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BQIP #	LIN#	SSN	ACH YR	FUND	IQC	REMARKS
AA0334	VRC-49		RADIO SET	05114		00000 75	N/A			
AA0358	VRC-45		RADIO SET	05001		00000 75	N/A			
AA0359	VRC-47		RADIO SET	054174		0 75	N/A			
AAC160	VRC-64		RADIO SET FM-F FM	05083		00000 75	N/A			
AA0361	VRC-12		RADIO SET	245779		00000 75	N/A			
AA0362	PAC-46/PAC-9		RADIO SET VHF/FM MAPACK	032293		00000 75	N/A			
AA0353	PAC-46/PAC-9		RADIO SET ISUJADA	032299		00000 75	N/A			
AA0316	ARC-114		RADIO SET	025990		00000 75	N/A			
AA0355	ASC-15		ELEC C0444ND CONSOLE	216075		00300 75	N/A			
AA0357	FRC-93		RADIO SET (HF USE LS8)	027006		00000 75	N/A			
AAC358	CAC-106A		RADIO SET	032156		00000 75	N/A			
AA0359	PAC-76		RADIO SET HF/FM MAPACK	032276		00000 75	N/A			
AA0370	TSC-13		COM JUNIOR 114NS CENTRAL	CB989		00000 75	N/A			
AA0371	ARC-112		RADIO SET	025978		00000 75	N/A			
AA0373	VRC-54		RADIO SET	25624		01000 75	N/A			
AA0374	PAC-41		RADIO SET (HF SS8)	037982		00000 75	N/A			
AA0375	PAC-90		RADIO SET (HF AM)	033335		00000 75	N/A			
AA0376	PAC-115		RADIO SET (VHF AM)	025991		00000 75	N/A			
AA0377	ARC-116		RADIO SET (HF AM)	025992		00000 75	N/A			
AA0381	URC-10		RADIO SET (VHF AM)	040902		00000 75	N/A			
AA0394	GSC-162		RADIO TTY SET	090120		00000 75	N/A			
AA0395	MRC-8		RADIO REC SET	090120		00000 75	N/A			
AA0396	MRT-9		RADIO TRNS SET	090120		00000 75	N/A			
AA0397	V5-2		RADIO TTY SET	091301		00000 75	N/A			
AA0398	WUC-3		RADIO TTY SET	091302		00000 75	N/A			
AA0399	CS-1		CONTRL RADIO SET	E92915		00000 75	N/A			
AA0404	LS-1-17F		INTERCOM							
AA0510	H-182		HEADSET-MICROPHONE							
AA0519	H-182		HEADSET							
AA0595	ASC-151W21		ELEC C0444ND CONSOLE	E58601						

***** ANTENNAS

AA0038	AB-2-215		TOEER 100F EXPANDABLE/HC	247015		00000 82	N/A			
AA0039	AB-9-64		TAC ANT 14ST 120 FT	760290		23558 82	280			
AA0049	DE-254		BB DM41-2K ANTIGAS/VRC	473881		22018 78	379			
AA0179	AS-2-731		FORCES-KUREYED VEH ANT/GAR	765044		60154 76	281			
AA0110	AB-9-03		RADIO ERECT JOFT MAST SYS	419381		22624 77				
AA0129	DE-3-14		QIR 41F LP ANTENNA/GA25	770026		46313 78	483			
AA0214	AI-9-03		CE,TERED LO AN/VRC-24			00000 00	N/A			
AA0210	CM-6		ANTENNA GROUP DOUBLEI	A78777		00000 00	N/A			
AA0211	GA-5-0		ANTENNA GROUP DOUBLEI	A78151		00000 00	N/A			
AA0225	AB-2-21		MAST ASSEMBLY/TIC-133	790120		22524 77	382			
AA0212	TR-4-7		ANTENNA GRP/TBL-112/121	261713		00000 00	N/A			
AA0273	AB-1-425		ANTENNA/IRC-133			00000 00	N/A			
AA0274	AI-9-03		ANTENNA/IRC-50			00000 00	N/A			
AA0275	AB-9-77		MAST ASSEMBLY/GRC-10			00000 00	N/A			
AA0276	AS-1-852		ANTENNA BAND II/GRC-103			00000 00	N/A			
AA0277	AS-1-653		ANTENNA BAND III/GRC-103			00000 00	N/A			
AA0278	AS-1-954		MAST ASSEMBLY/GRC-103			00000 00	N/A			
AA0280	AB-9-52									

KEY # UNIVELATURE ACRONYM DESCRIPTION

REV #	UNIVERSAL NOMENCLATURE	ACRONYM	DESCRIPTION	BUJIP #	LINE #	SSN	ACN	YR	LOC	FLNUO	REMARKS
***** ANTENNAS *****											
AA0294	DE-103		ANTENNA DIR VHF 1/2 2.4448						00000 00	N/A	
AA0285	AI-692		STEEL TUBE WHIP 3 FT/PRC						00000 00	N/A	
AA0286	AT-271A		MULTISECTION WHIP 10FT/PRC						00000 00	N/A	
AA2397	AT-312		VEHICULAR WHIP 10 FT/PRC						00000 00	N/A	
AA0288	AS-1729		COLLAPSIBLE WHIP 10FT/PRC						00000 00	N/A	
AA0289	AT-784		LONG WIRE ANTENNA/PRC						00010 00	N/A	
AA0230	RC-292		GRND PLATE ANTENNA/PRC						00012 00	N/A	
AA0291	AT-785		LOOP ANTENNA DF/FM						00020 00	N/A	
AA0293	AT-1938		ANTENNA/PAR-9						00020 00	N/A	
AA0295	AS-1329		ANTENNA/PRT-4						00030 00	N/A	
AA0295	AS-1320		WHIP ANTENNA/PRC-47						00030 00	N/A	
AA0326	AS-1321		LONG WIRE ANTENNA/PRC-47						00040 00	N/A	
AA0247	AS-1437		OMNI-DIR ANTENNA/PRC-41						00040 00	N/A	
AA1223	AS-1435		UNI-DIR LP ANTENNA/PRC-41						00040 00	N/A	
AA0299	AS-1837		WHIP ANTENNA/PRC-74						00040 00	N/A	
AA3220	AT-137		DISCANE ANTENNA/TRC-69						00040 00	N/A	
AA0159	AB-64		TAC ANT HAST 100FT/RK MID						00050 00	N/A	
AA0159	AB-805		MAST EXTENSION M/T/ME						00050 03	N/A	

AAA0634	KU-13		TAPE READER	760014	T40405	16472	77	279
AAA0106	KY-57	VINSON	SPEECH SECURITY EQUIP	699264	SO1373	BC2056	16472	77
AAA1007	KY-58	WIA	WIRELINE ADAPTER	760013	W61351		16472	77
AAA0111	KY-59	VINSON	SPEECH SEC EQUIP ABN	720199	SO1462	BC2050	16472	77
AAA0116	KY-55	PARKHILL	SPEECH SECURITY EQUIP	720091	277097	BC2100	20151	77
AAA0115	KU-13		KEY GEN	730085	E98103		N/A	
AAA0116	KWX-15		NET CONTROL DEVICE	750105	402758		16472	77
AAA0239	KU-13		CODE CHANGER KEY	E51755		00000	77	74
AAA0364	KG-27		ELEC KEY GENERATOR	690003	L22997	708000	00000	75
AAA345	KL-7		CIPHER MACHINE	E24281		00000	75	N/A
AAA346	KL-7		ELEC F/T SECURITY EQUIP	H0230		00000	75	N/A
AAA347	KY-0-8		NESTOR	U01275		00000	75	N/A
AAA348	KY-2-8		NESTOR	U01295		00000	75	N/A
AAA349	KY-3-9		NESTOR	U01305		00000	75	N/A
AAA350	KG-30-15		NECRLNCK KEY GENERATOR	HU1778	105500		2472	75
AAA351	HYL-3		TACTICAL DIGITAL REGEN	W08721		00000	75	N/A
AAA0391	KG-4-5		KEY GEN HIGH SPEED FACT	770140	225273		23370	75
AAA453	KG-30-24		ELEC KEY GENERATOR	H01792		00000	75	N/A
AAA460		Z-4HD	REMOTE CENTRAL UNIT KY-75	252703		00000	75	N/A
AAA461	KYK-23		CODE CHANGER KEY	E45820		00000	75	N/A
AAA560	KY-75	PARKHILL	SPEECH SECURITY EQUIP ABN	720092	277092	752000	20151	282
AAA572			FILM CABLE (CRYPTO)	00000	00	00000	00	N/A

			TRUCK 1	1/4		
AAD0637	H-715		TRUCK 1	1/4		N/A
AAD0638	H-211		TRUCK 2	1/2		N/A
AAD0639	H-25A2		TRUCK 2	1/2		N/A
AAD0640	H-35		TRUCK 2	1/2		N/A

DATE - 03/04/11

EQUIMENT FILE SOURCE MODELS 61

A11MS0077

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KEY / NAME / SIGNATURE / ADDRESS / DESCRIPTION

BY KEY HOMMER

VEHICLE	TRUCK 3/4 T TRACTOR 2 1/2 T	X39872	N/A
AA0441 W-37			
AA0445 M-27512	TRACTOR	X59352	N/A
AA0446 M-52	TRACTOR	X59326	N/A
AA0448			

THE SILENT MOUNTAINS

AAC0422	PU-625	PWR UNIT	M-101	TRL	2-3 KW	J46252
AAC0423	PU-631	PWR UNIT	M-03	TRL	2-5 KW	J46396
AAC0424	PU-632A	PWR UNIT	M-101	TRL	1.7 KW	J46399
AAC0425	PU-635	PWR UNIT	M-100	TRL	1.5 KW	N/A
AAC0426	PU-633	PWR UNIT	M-03	TRL	2-5 KW	N/A
AAC0427	PU-623	PWR UNIT	M-101	TRL	2-3 KW	N/A
AAC0428	PU-623	PWR UNIT	M-103	TRL	2-5 KW	J46398
AAC0429	PU-603	PWR UNIT	M-25	TRL	4.5 KW	N/A
AAC0430	PU-607	PWR UNIT	M-20	TRL	6.5 KW	N/A
AAC0431	PU-612	PWR UNIT	M-103	TRL	2-10 KW	J45531
AAC0432	PU-650	PWR UNIT	M-200	TRL	6.0 KW	J45629
AAC0433	PU-671	PWR UNIT	M-105	TRL	-	N/A
AAC0434	PU-6910	PWR UNIT	M-200	TRL	2-30 KW	N/A
AAC0435	PU-291	PWR UNIT	M-105	TRL	2-5 KW	J461319
AAC0436	PU-753	PWR UNIT	M-100	TRL	10 KW	N/A
AAC0462	PU-617	PWR UNIT	M-101	TRL	2-3 KW	N/A
AAC0463	PU-629	PWR UNIT	M-116	TRL	2-5 KW	J47915
AAC0501	-	PWR SUPPLY	23 VDC	-	-	-

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AA0117	CX-111230	CABLE SPEC PUR 1/4 MILE	65108 80	183
AA1122	CX-4556	CABLE ASSY 26 PR 250 FT	00330 00	N/A
AA0123	WU-1/3L-159	CABLE TP 1 MILE	00000 75	381
AA0124	WU-1/3L-8	CABLE TP 1/4 MILE	23100 75	381
AA0125	WU-1/4X-306	CABLE TP 1/2 MILE	00000 75	381
AA0125	CX-111230	CABLE SPEC PUR 100FT	65108 75	182
AA0127	WF-16	'6 COND CABLE TP 1 MILE	00000 75	N/A
AA0129	J-1077	DISTRIBUTION BOX	00000 75	N/A
AA0250	CX-4780	26 PR 15FT CABLE ASSY TP	00000 00	N/A
AA0252	CX-10346	CABLE ASSY ADAPTERS	00000 00	N/A

EQUIPMENT LIST F-2 IS A LISTING OF THE INTACS CURRENT AND STACS IMPROVED EQUIPMENT WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

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DATE 03/06/81

EQUIPMENT FILE FORCE MODELS F2
BY KEY NUMBER

AL11MSPO077

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KEY # Nomenclature Acronym Description

EQUIPMENT FILE FORCE MODELS F2
BY KEY NUMBER

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***** MULTICHANNEL TRANSMISSION *****

KEY #	NOMENCLATURE	ACRONYM	DESCRIPTION	BDIP #	LINEN	SSN	ACN	VK	TOC	FUND	REMARKS
AAD003	TSC-93		TACSAT 4/C TERMINAL (SHF)	779001	S34895	081250	22752	77	479		
440005	TRC-151		RADIO TERMINAL SET		092899		35332	77	481		
AAC007	TRC-152		RADIO REPEATER SET		07e067		35332	77	481		
AAC009	TSC-654		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAC010	TSC-93A		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAC019	TSC-95		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAC020	TSC-85		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAC025	GRC-103(V4)	BAND IV	RADIO TERMINAL (SHF)	790252	S34927	P81507	14739	37	373		
AAD056	TAC-113		RADIO SET	729508	S522242	BB1250	22752	77	379		
AAC067	TRC-145		RADIO REPEATER SET		254341		35325	77	N/A		
AAC026	TRC-136(PIP)		RADIO TERMINAL SET (PIP)		878052		35323	N/A			
AAC056	GRC-141(V2)		RADIO REPEATER SET		392894				N/A		
AAC023	TRC-112		RADIO SET (ADDON)				00000	00	N/A		
AAC024	TRC-121		RADIO TERMINAL SET				00000	00	N/A		
AAC030	TRC-132A		RADIO TERMINAL SET				00000	75	N/A		
AAC056	MRC-127		RADIO TERMINAL SET (ADD ON)				00000	75	N/A		
			RADIO TEAM SET (ADD ON)				00000	75	N/A		
			RADIO TEAM SET (ADD ON)				092191	N/A			

***** MULTIPLEX *****

AAD004	10-775	ADC	DIGITAL CONVERTER				13707	77	N/A		
AAC022	TD-782		PULSE FORM RESTAUR	732007	250515		13707	77	380		
AAC027	TD-1065		HVS SERIAL DATA BUFFER	690492			7292	77	480		
AAC029	TD-1059		TIME DIVISION DIGITAL MUX	690493			13357	77	183		
AAC030	TD-97		DATA 4/MULTIPLEX SET	721110			13357	79	N/A		
AAC030	TD-1250		RADIO A/F/CNTL MUX	730187	220510		13357	79	N/A		
AAC073			TACSAT 4/F/CNTL MUX	790006	245110		35333	N/A			
AAC059	TCC-65		TERMINAL TELE-LINE (PIP)	760246	272058		22752	77	481		
AAC173	TCC-73(V2)(PIP)		TERMINAL TELEPHONE (PIP)		28114				N/A		
AAC309	TCC-73(V1)(PIP)		TERMINAL TELEPHONE (PIP)		260316		35329	80	N/A		
AAC352	TD-208/6		PULSE FORM RESTAUR		280116		35329	75	N/A		
AAC037	CV-1919		SIGNAL CONV/FILTER		090121		35334	75	273		
AAC412	TD-203		MUL.DIPLEXER SET		Q2578		20367	75	172		
AAC442	TCC-72		TELE-SIG / TELEPHONE (PIP)		484583				N/A		
AAC512	CV-1586		TE SIGNAL CONVERTER		V58327				N/A		
AAC013	TD-653		MUL.DIPLEXER SET		F09476		836700		N/A		
AAC016	TD-751		MUL.DIPLEXER SET		HB4608		B37600		N/A		
			MUL.DIPLEXER SET		245001				N/A		

***** TACTICAL COMMUNICATIONS CTRL FACILITIES *****

1 AAC050	MSC-116		TACSAT CNTRL CENTER		S34509		22752	77	479		
1 AAC012	TSC-81A		TECHNICAL CTRL CENTER		06197		39227	77	382		
1 AAC014	TSC-81B		TECH CTR FAC		06197		054600	39227	77		
1 AAC018	MSC-32A		OPERATIONS CEN COMM (PIP)		420633		35327	80	282		
1 AAC034	MSC-31		OPERATIONS CEN COMM		N20115		00000	75	N/A		
1 AAC031	TSC-78		COMM PATCHING CENTER		077886		00000	75	N/A		
1 AAC093	SD-411		COMM PATCHING PANEL		V59636		00000	75	N/A		
1 AAC043	MSC-25		OPERATIONS CEN COMM (PIP)		N19977		35327	80	282		

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KEY # NOMENCLATURE ACRONYM DESCRIPTION

D JIP # LINE # SSN ACN YR FUND IDC REMARKS

***** SWITCHING

A00063	SB-22		SBBD TELEPHONE MANUAL	Us1707	23470	75	281
A00119	SB-993		SWITCH-BOARD MANUAL		00000	75	N/A
A00316	TTC-38(V1)		TACTICAL AUTOMATIC SWITCH	690113	078523	867800	1904
A00317	TTC-33(V2)		TACTICAL AUTOMATIC SWITCH	690113	078528	867800	1904
A00320	SB-361(V1)T		AUTOMATIC TO SWITCHBOARD	750067	592706	832300	1904
A00321	TTC-41(V1)		AUTO IP CEN 0 (301151)	750068	078592	1904	N/A
A00322	TTC-41(V2)		AUTO IP CEN 0 (601151)	750069	078593	1904	N/A
A00329	TTC-41(V3)		AUTJ IP OFFICE (901) 151	765013	078661	1904	N/A
A00408	TA-207		SIGNAL ASSY SBD		7,7915		N/A
A00415	TTC-41(V4)		AUTO IP CEN 0 (1201151)	770061	078929		
A00416	TTC-41(V5)		AUTO IP CEN 0 (601111)	770062	078960	1904	281
A00417	TTC-41(V5)		AUTJ IP CEN 0 (901) 151	770053	078929	1904	281
A00418	TTC-41(V7)		AUTO IP CEN 0 (1201111)	770054	078956	1904	281

***** TERMINALS

A00051	C-5703	DANIO	COMM CONTROL UNIT	F95072	831505	831506	23475
A00C93	TA-933		TELEPHONE SET	V3121	863906	23470	177
A0CC32	TA-312		TELEPHONE SET	V3121	863906	23470	N/A
A00C93	TA-977		PHONE SIGNAL ADAPTER/SB-22	770066	125126		481
A00C95	TA-1		TELEPHONE SET	V3052		00000	75
A00C97	TA-287		REPEATER TELEPHONE	R60360		00000	75
A00339	TA-266		TELEPHONE SET	V30937		00000	75
A00340	TA-341		TELEPHONE SET	V31263		00000	75
A00341	TA-633		TELEPHONE SET	278668	853100	23475	177
A00357	TA-235		TELEPHONE SET	V30663		00000	75

***** RECORD-TRAFFIC

A00056	UGC-7(AV3)	IDC	TELETYPE PAPERITER	760091	V36146	876000	23870
A00C77			TACTICAL DUC COPIER	770081	219462	24964	180
A00C96	GAC-7A		TACTICAL ANALOG PAPERITER		235204	SC3009	2241
A00133			INTERNAL MESSAGE RELAY			43932	481
A00136		OCA	OPTICAL CHART READER			23470	480
A00327	65Q-80		MESSAGE CENTER	D18271	00000	75	N/A
A00328	MCC-13		MESSAGE CENTER	V39223	00000	75	N/A
A00329	TCC-30		CENTRAL OFFICE TTY	DC116	00000	75	N/A
A00330	TSC-53		TERMINAL TELEGRAPH	V57004	00000	75	N/A
A00342			DSC-LU	278668	00000	75	1/A
A00343			DSTE-41	V39153	00000	75	N/A
A00353	FCC-25		TELETYPE PAPERITER SET	V0821	00000	75	N/A
A00355	MCC-22		TELETYPE PAPERITER TERMINAL	V4423	00000	75	N/A
A00356	MCC-23		TELETYPE PAPERITER RELAY	V39109	00000	75	N/A
A00420	MCC-32		TTY OPERATIONS CENTRAL	V3953			N/A
A00421	MSC-29		TERMINAL TELEGRAPH	V57061			N/A
A00444	MCC-17		CENTRAL OFFICE TTY	D7966			N/A
A00532	TH-22		TELEGRAPH TERMINAL	V57729	R71300		N/A
A00533	FCC-29		TELEGRAPH-TELEPHONE TEA	V57729	672000		N/A

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***** C04 SEC *****

AAC068 AB-2315		TOWER 120F EXPANDABLE ERIC	741715	741715	00000 82	N/A
AAC059 AB-461		TAC ANT 4AST 100 FT	760290	760290	23958 82	280
AAC079 DE-254		68 JAVI-DK AN/GAR SVRC	765044	765044	22018 78	279
AAC179 AS-273		FORKS-FURTHEF VEH ANT/GAR			40154 76	281
AAC190 AB-903		RAPID EJECT SOFT MAST SYS			22624 77	270
AAC199 DE-314		DIF WHF LP ANTENNA/GRC-24	770026	770026	46843 78	483
AAC204 AT-803		CENTERED DP ANTENNA/GRC-24			00000 00	N/A
AAC210 GR-4		ANTENNA GROUP DOUBLET			00000 00	N/A
AAC211 GR-5		ANTENNA GROUP DOUBLET			00000 00	N/A
AAC225 AB-621		MAST ASSEMBLY/ERIC-118	790120	790120	22624 77	392
AAC-72 TH-4-7		ANTENNA LSP/ERIC-112/121			00000 00	N/A
AAC273 AS-1425		ANTENNA/ERIC-133			00000 00	N/A
AAC276 AS-1852		ANTENNA BAND I/GAC-103			22220 72	N/A
AAC277 AS-1853		ANTENNA BAND II/GRC-103			05000 00	N/A
AAC278 AS-1854		ANTENNA BAND III/GRC-103			00000 00	N/A
AAC279 AS-3047		ANTENNA 3140 I/GRC-103			00000 00	N/A
AAC280 AB-952		MAST ASSEMBLY/GRC-103			00000 00	N/A
AAC284 DE-303		ANTENNA JSE WHF 1/2 410M8			00000 00	N/A
AAC285 AT-992		STOLET TAPE D-HIP 3 FIP/KC			00000 00	N/A
AAC286 T-2714		MULTISECTION SHIP 10F/PAC			00000 00	N/A
AAC297 AT-912		VEHICLE 3242 D-HIP 10 FT/FRC			00000 00	N/A
AAC298 AS-1729		COLLAPSIBLE SHIP 10F/FVR/C			00000 00	N/A
AAC0289 AT-984		LONG WIRE ANTENNA/FRC			00000 00	N/A
AAC030 RC-292		GR3545 PLANE ANTENNA/FEN			00000 00	N/A
AAC0291 AT-784		UNIDIRECTIONAL D/FM			00000 00	N/A
AAC0292 AS-1320		WHIP ANTENNA/PAC-47			00000 00	N/A
AAC0296 AS-1321		LONG DIRE ANTENNA/PAC-47			00000 00	N/A
AAC0297 AS-1604		OMNI-DIR ANTENNA/PAC-61			00000 00	N/A
AAC0298 AS-1405		UNI-DIM LP ANTENNA/PAC-61			00000 00	N/A
AAC0293 AS-1937		WHIP ANTENNA/PAC-74			00000 00	N/A
AAC0290 AT-197		DISCONE ANTENNA/FACR-68			00000 00	N/A
AAC0459 AB-865		TAC ANT MAST 100F/FRC MTD	760290	760290	241716	N/A
AAC0503 MR-305		MAST EXTENSION KIT/FRC			00000 00	N/A

***** C04 SEC *****

AAC104 KY-13	VINSON	TAPE READER	760014	760014	16472 77	279
AAC105 KY-57		SPEECH SECURITY EQUIP	633264	633264	RC2056	16472 77
AAC107 HY-57		WIRELINE ADAPTER	760113	760113	40151	16472 77
AAC111 KY-58	VINSON	SPEECH SEC EQUIP ABN	722199	722199	BC2050	16472 77
AAC114 KY-65	PARKHILL	SPEECH SECURITY EQUIP	720091	720091	BC2100	20151 77
AAC115 KYK-13		KEY GUN	F98103	F98103		N/A
AAC116 KYX-13	NCO	NET C4RJ DEVICE	750105	750105	16472 77	279
AAC0239 KIK-13		CODE CHANGER KEY	E45766	E45766	00000 77	N/A
AAC0344 KG-27		ELEC KEY GENERATOR	690003	690003	22987 70000	00000 75
AAC0345 KL-7		CIPHER MACHINE	E24281	E24281	00000 75	N/A
AAC0346 KM-7		ELEC TTY SECURITY EQUIP	H02300	H02300	00000 75	N/A
AAC0367 KY-08	NESTOR	SPEECH SECURITY EQUIP	H01275	H01275	00000 75	N/A
AAC0368 KV-28	NESTOR	SPEECH SEC EQUIP 14041	J01295	J01295	00000 75	N/A

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KEY # Nomenclature Acronym Description

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REF #	NUVENTURE	ACRONY	DESCRIPTION	STIP #	LINN #	SSN	ACT YR	FUND	REMARKS
CON SEC									
AAD349	KY-39	MESJ9	SPEECH SECURITY EQUIP	001305	H01778	00000 75	N/A		
AAD350	KG-30-15		ELECTRONIC KEY GENERATOR		V08721	23672 75	N/A		
AAD351	MVL-3		TACTICAL DIGITAL REGEN			00000 75	N/A		
AAD371	KG-65		KEY GEN 416 SPEED TACT	770160	I25273	23370 75	N/A		
AAD453	KG-30-24		ELEC KEY GENERATOR		H01782		N/A		
AAD460	Z-AMD		REMOTE CONTROL UNIT KY-75		I262703		N/A		
AAD451	KY-23		CODE CHANGER KEY		E45820		N/A		
AAC560	KY-75	PARKHILL	SPEECH SECURITY EQUIP ARN	720092	I277092	1520000 20151	282		
AAC572			FILE CABLE (CRYPTO)			00000 00	N/A		
VEHICLE									
AAC437	M-715		TRUCK 1 1/4 T		X59283		N/A		
AAC435	M-211		TRUCK 2 1/2 T		X40009		N/A		
AAC439	M-3542		TRUCK 2 1/2 T		X40009		N/A		
AAC440	M-35		TRUCK 2 1/2 T		X40009		N/A		
AAD441	M-37		TRUCK 3 1/2 T		X39072		N/A		
AAC445	M-27542		TRACTOR 2 1/2 T		X59052		N/A		
AAC446	M-52		TRACTOR		X59326				
SHELTERS & VANS									
AAD067	S-250		SMELTER			00000 00	N/A		
AAD071	S-280		SMELTER			00000 00	N/A		
POWER UNITS & TRAILERS									
AAC0422	PU-625		PWR UNIT M-101 TRL 2-3KV			J46252			
AAC0423	PU-631		PWR UNIT M-103 TRL 2-5KV			J46396			
AAC0424	PU-312A		PWR UNIT M-101 TRL 1KV			J49809			
AAC0425	PU-403		PWR UNIT M-200 TRL 15KV			J35492			
AAC0426	PU-618		PWR UNIT M-103 TRL 2-5KV			J47480			
AAC0427	PU-623		PWR UNIT M-101 TRL 2-3KV			J46258			
AAC0428	PU-623		PWR UNIT M-103 TRL 2-5KV			J46332			
AAC0429	PU-643		PWR UNIT M-35 TRL 4KV			J35098			
AAC0430	PU-607		PWR UNIT M-200 TRL 4KV			J35561			
AAC0431	PU-612		PWR UNIT M-103 TRL 2-10KV			J42100			
AAC0432	PU-653		PWR UNIT M-103 TRL 50-1KV			J35529			
AAC0433	PU-473		PWR UNIT M-105 TRL				N/A		
AAC0434	4JG-13		PWR 2EA			P27619			
AAC0435	PU-298		PWR UNIT M-105 TRL 2-5KV			J41315			
AAC0436	PU-753		PWR UNIT M-200 TRL 1KV			229595			
AAC0462	PU-617		PWR UNIT M-101 TRL 2-3KV			J46384			
AAC0463	PU-620		PWR UNIT M-116 TRL 2-5KV			J47617			
AAC501			PWR SUPPLY 28 VDC			J47915			

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KEY #	MONOCULTURE	ACRONYM	DESCRIPTION	001P #	LINEN	SSN	FUND	ACN	YR	IUC	REMARKS
WIRE AND CABLE DISTRIBUTION											
AA0117	CX-11230		CABLE SPEC PUR 1/4 MILE					65108	80	163	
AA0122	CX-4536		CABLE ASSY 26 PR 250 FT					00000	00	N/A	
AA0123	WD-1/4L-159		CABLE TP 1 MILE					00300	75	361	
AA0124	WD-1/3R-8		CABLE TP 1/4 MILE					23100	75		
AA0125	WD-1/4X-306		CABLE TP 1/4 MILE					00000	75	361	
AA0126	CX-11230		CABLE SPEC PUR 100FT					65108	75	162	
AA0127	WF-16		CABLE TP 1 MILE					00000	75	N/A	
AA0130	J-1077		DISTRIBUTION BOX					00000	75	N/A	
AA0250	CX-4750		26 PR 15FT CABLE ASSY TP					00000	00	N/A	
AA0252	CX-10735/6		CABLE ASSY ADAPTER					00000	00	N/A	
TEST EQUIPMENT											
AA0029	SG-4139		DIGITAL DATA GENERATOR					45549	81	163	
AA0515	GG-4-15		TEST SET TELC							N/A	

EQUIPMENT LIST F-3 IS A LISTING OF THE INITIACS INITIAL ISSUE OF NEW EQUIPMENT WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

THE FOLLOWING INFORMATION IS FURNISHED:

1. KEY # - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.
2. NOMENCLATURE, ALPHANUMERIC DESCRIPTION - EQUIPMENT IDENTIFICATION.
3. BUDP # - BASIS OF ISSUE PLAN FOR FUTURE EQUIPMENT.
4. LINE # - LIN-ALPHANUMERIC LINE ITEM NUMBER IDENTIFICATION OF A GENERIC NOMENCLATURE.
5. SSN - STANDARD STUDY NUMBER - FUNDING NUMBER ASSIGNED TO APPROVED PROCUREMENT ITEMS.
6. ACN - ACTION CONTROL NUMBER ASSIGNED TO TRACK ALL ACTIONS PERTAINING TO A PROGRAM.
7. FUND YR - INITIAL FUNDING YEAR.
8. IOC - INITIAL OPERATIONAL CAPABILITY - TIME WHEN EQUIPMENT AND TRAINED PERSONNEL CAN BE DEPLOYED.

LAST REVISION TO THE DATA BASE WAS MADE ON [REVISION DATE] (00 MAR 3,1981 00).

THIS REPORT IS AVAILABLE ONLY BY EQUIPMENT CATEGORY. BUT MAY BE SORTED BY ANY COLUMN WITHIN CATEGORY.

QUESTIONS SHOULD BE ADDRESSED TO JSASC-SIMQ AUTOMON 790-3182/3671.

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KEY # Nomenclature ACRONYM DESCRIPTION

				BUD #	LINE #	SSN	ACN	YR	FUND	IUC	REMARKS
***** MULTICHANNEL TRANSMISSION *****											
AAD033	TSC-93		TACSAT 4/C TERMINAL (SHF)	779081	534895	881250	22752	77	473		
AAD005	TEC-151		RADIO TERMINAL SET		042999		35332	77	481		
AAC007	TR-152		RADIO REPEATER SET		789667		35332	77	481		
AAD033	TSC-95A		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAD010	TSC-93A		TACSAT 4/C TERMINAL (SHF)				00000	00	482		
AAD019	TSC-95		TACSAT 4/C TERMINAL (SHF)	780232	534827	883507	14939	37	379		
AAD020	TSC-65		TACSAT 4/C TERMINAL (SHF)	729298	552442	881250	22752	77	379		
AAD025	GRC-103(V4)	AND IV	RADIO SET		254441		35325	77	N/A		
AAD016	TR-213		RADIO REPEATER SET		780662		35323	77	N/A		
AAD167	TR-215		RADIO TERMINAL SET (PIP)		092894				N/A		
AAD226	TRC-138(P1F)		RADIO REPEATER SET			00000	00	N/A			
AAD224	EKC-154(W2)		RADIO SET (A/D)			00000	00	N/A			
AAD192	TRC-112		RADIO TERMINAL SET		092848		00000	75	N/A		
AAD172	TRC-121		RADIO TERMINAL SET		322553		00000	75	N/A		
AAD335	TRC-132A		RADIO TERMINAL SET		092877		00000	75	N/A		
***** MULTIPLEX *****											
AAD224	TC-975	ADC	DIGITAL COMBINER		495143		13707	77	N/A		
AAC022	TD-92		PULSE F/RW RESTISTER		750545		13707	77	380		
AAC227	TD-1055	MSSDB	HVS SERIAL DATA BUFFER		630692	H35599	7292	77	480		
AAC229	TD-1059	TDQ	TIME DIVISION DIGITAL MUX		593491	T21130	13357	77	183		
AAD010	TSC-97		DATA MULTIPLEX SET		730187	722050	13357	79	N/A		
AAC060	TD-1219		HVS PULSE RESTISTER		770047	750443	21957	79	286		
AAD051	TD-1218	LSPR	LVS PULSE RESTISTER		770046	250514	21957	79	286		
AAC055	TC-1237	HGM	MASTER SP MUX		245676		21957	79	286		
AAC070	TD-1250		KADIO COMBINER MUX		790006	245110	35333	77	N/A		
AAC173			TACSAT 1/J/C VIL 4JDEM		793246	272548	22752	77	481		
AA0120	TD-1234	RMC	REMOTE RJX CJBILITEK		770063	245684	21957	79	286		
AA0112		CJL	DIGITAL TRIP PJ MUX				00000	78	N/A		
AA0110	TS-3547		DIGITAL CIRCUITRY JYL		770048	211774	21957	79	286		
AA0113	TD-1233	RGM	RE-DITE LDCP GROUP MUX		770040	245699	21957	81	286		
AA0151	PD-1024	MSCDN	HS CABLE D/W MJDEN		243657		21957	79	286		
AA0152	MC-1023		LS CABLE D/W MJDEN		243658		21957	79	286		
AA0153	MC-025	RLCM-CJ	RLC-CABLE D/W MJDEN		243692		21957	79	286		
AAC169	TCC-65		TERMINAL TELEPHONE (PIP)		V2244				N/A		
AAD173	TC-73(V21PIP)		TERMINAL TELEPHONE (PIP)		28016		35329	80	N/A		
AAD169	TC-73(V11PIP)		TERMINAL TELEPHONE (PIP)		130315		35329	75	N/A		
AAC332	TC-206R/G		PULSE F/RW RESTISTER		092721		35334	75	278		
AAC0372	CV-1919		SIGNAL CONVERTER		Q25178		20367	75	172		
AAC0412	TD-204		MULTIPLER SET		464933				N/A		
AAC462	TC-72		TERMINAL TELEPHONE (PIP)		V5827				N/A		
AAD0512	CV-1568		TP SIGNAL CONVERTER		F06676	83670			N/A		
AAD0513	TD-660		MULTIPLER SET		486408	B37400			N/A		
AAD0514	TD-756		MULTIPLEXER SET		245601						

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KEY # ACRONYM ACRONYM DESCRIPTION

811IP # LINE #

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REMARKS

TACTICAL COMMUNICATIONS CONTROL FACILITIES

AAD006	MSO-114	TACSAT CONTROL CENTER	2	534509	22752	77	479
AAC058	TSO-111(V1)	CNCE I	770002	23425	80	285	
AAD118	TSO-111(V3)	CNCF III	800155	216406	23425	80	285
AAD058	MSC-32A	COMM YODAL CIRL ELEM		40553	35327	80	282
AAD036	HSC-31	OPERATIONS CEN CJ44 (PIPI)		N20115	00000	75	N/A
AAD463	MSP-25	OPERATIONS CEN CJMM (P IP)		N19977	3527	80	282

SWITCHING

AAC036	TIC-33(V1)	CS	AUTOMATIC CENTRAL OFFICE	730046	216286	22720	81
AAC039	TIC-33(V2)	CS	AUTOMATIC CENTRAL OFFICE	793047	216295	22720	81
AAC043	SB-22		SNOB TELEPHONE MANUAL	U01107	23470	75	281
AAC045	TYC-19	MS	AUDIOTEXSS S/3X-54	760098	24230	22720	81
AAC046	TYC-19		SWITCHBOARD MANUAL		00000	75	1/A
AAC049	SB-733		TACTICAL AUTOMATIC SWITCH	690113	070523	867600	1904
AAC056	TIC-33(V1)		TACTICAL AUTOMATIC SWITCH	690113	070523	867600	1904
AAC071	TIC-23(V2)		AUTOMATIC SWITCH JAKO	753057	52204	B32300	1904
AAC0310	SB-3614(V1)		AUTO IP CEN O (30L) S1	750068	C78592	1904	75
AAC0321	TIC-41(V1)		AUTO IP CEN O (60L) S1	750069	(78913	1904	N/A
AAC0322	TIC-41(V2)		AUTO IP CEN O (60L) S1	750069	1904	75	N/A
AAC0322	TIC-41(V3)		AUDITIP OFFICE (90L) S1	765013	1904	75	N/A
AAC046	TAC-207		SIGNAL ASSY 548D	149915		N/A	
AAC015	TIC-41(V4)		AUTO IP CEN O (120L) S1	770061	C78929		N/A
AAC016	TIC-41(V5)		AUTD IP CEN O (60L) S1	770062	C78550	281	
AAC017	TIC-41(V6)		AUTO IP CEN O (90L) S1	770063	C78528	281	
AAC018	TIC-41(V7)		AUTO IP CEN O (120L) S1	770064	C78516	281	

TERMINALS

AAD053	C-6709	BUKIT	COMM CONTROL UNIT	F95072	034506	23415	75
AAC083	TA-933		TELEPHONE SET	V3105		177	
AAC050	K1-5-9	DSOT	DIG SECURE TP	790110	215017	34505	79
AAC071	HY-63 / TSEC		EXTENSION TEL		226219	34505	79
AAC022	TA-312		TELEPAUSE SET	V3111	F639606	23470	75
AAC203	TA-771		TOE SIGNAL ADAPTER/SB-22	770066	T25125	481	
AACC95	TA-1		TELEPHONE SET	V3052	00000	75	1/A
AAC027	TA-2-57		REPEATER TELEPHONE	R0160	00000	75	1/A
AAC014	TA-9-54	DWNT	DIG V34-SEC TP	222159		23415	91
AAC110		CV-DCTL	SECURE CONVERTER 41 P3RT	204337		34508	02
AAC221	TA-9-73	SMAT	TELEPHONE SIG INTERFACE	780040	225146	B29440	16472
AAD039	TA-2-6*		TELEPHONE SET	V30337	00000	75	1/A
AAC0340	TA-3-41		TELEPHONE SET	V31143	00000	75	N/A
AAD0361	TA-9-33		TELEPHONE SET	277666	B59100	23415	75
AAD0357	TA-2-33		TELEPHONE SET	V30063	00000	75	1/A
AAD067	TA-2-6*	DWNT	DIG NON-SEC TP (NON-RJG)	24380	20817	85	163
AAD466		CV-DIGITAL	SECURE CONVERTER (3 P3RT)	800062	Z65314		

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KEY # NOVENCLATURE ACRONYM DESCRIPTION

REMARKS

RECORD-TRAFFIC

KEY #	NOVENCLATURE	ACRONYM	DESCRIPTION	BUSIP #	LIVE #	SSN	ACN	YR	I/C	REMARKS
A0066	UGC-74A(V3)	TDC	TELETYPE-RITER	760091	V36146	876000	23970	77	181	
A0077		TDC	TACTICAL DUC COPIER	770101	219342		24864	80	180	
A0096	GCC-7A		TACTICAL ANALOG FAULTS 4116	235204	SC3009		22741	78	481	
A0133			INTERIM MESSAGE RELAY				43832	82	490	
A0136		OCR	OPTICAL CHAR READER				23470	80	483	
A0327	GSO-89		MESSAGE CENTER		D78271		00000	75	N/A	
A0328	MG-C-19		TV OPERATION'S CENTRAL		V39228		00000	75	N/A	
A0329	IGC-30		CENTRAL OFFICE TTY		Dd0116		00000	75	N/A	
A0330	ISG-59		TERMINAL TELEGRAPH		V57504		00000	75	N/A	
A0342			DSTC-LU		278668		00000	75	N/A	
A0343			DSUE-41		219355		00000	75	N/A	
A0353	FGC-25		TELETYPE-RITER SET		V18721		00000	75	N/A	
A0355	MG-C-22		TELETYPE-RITER TERMINAL		V44023		00000	75	N/A	
A0356	MG-C-22		TV OPERATIONS CENTRAL		V39253		00000	75	N/A	
A0357	IGC-32		TERMINAL TELEGRAPH		V57511		00000	75	N/A	
A0358	IGC-21		CENTRAL OFFICE TTY		D79866		00000	75	N/A	
A0359	IGC-23		TELEGRAPH TERMINAL		V57729	071900			N/A	
A0360	IGC-22		TELEGRAPH-1-TELEPHONE TERMINAL		V57729	072000			N/A	
A0362	TC-C-23									

SINGLE CHANNEL RADIO

KEY #	NOVENCLATURE	ACRONYM	DESCRIPTION	BUSIP #	LIVE #	SSN	ACN	YR	I/C	REMARKS
A0051	GRC-122(FW2)		MOU TTY SET		255876		21228	78	284	
AC055	PRC-113		RADIO SET PORTABLE UHF/AM	770068			22751	73	491	
A0113	GSC-40		TACSAT SC END T		254975		62949	82	184	
A0145	PRC-X4	IMFR-LP	IMPROVED HF RADIO MANPACK	800185			233595	82	184	
A0156	GRC-X4	IMFR+HP	HF RADIO VEH	800186			62949	82	184	
A0175	VSC-7		BASE SIN UPS-11 UHF VEH	790262	277011		22751	78	280	
A0191			EAD AIR 203 REG15				23428	82	342	
A0192			UNIV AIR 200 REG15				23428	82	342	
A0195	PSC-1		TACSAT MANPACK (UHF)	690359	777066		22751	78	282	
A0196	MSC-65		TACSAT TER(10444)	770178	277014		22751	73	382	
A0197	PRC-63		RADIO SET UHF/FM HANDFIELD	780239	755741	F22500	21154	78	461	
A0198	PRC-70		RADIO SET A4/F4 MANPACK	690473	R36349	605100	05137	77	461	
A0199	MSC-54		TACSAT SC TEL				22751	77	142	
A0207	PHC-47		RAD13 SET HF/SSB PORTABLE		038119		00000	00	N/A	
A0208	TRC-25		RAD13 SET VHF/FM AM VEH		954021		04000	71	N/A	
A0209	TRC-63		RAD13 SET VHF/FM AM FXD		219375		00000	00	1/A	
A0222	C-12377		COM4 ADDE SEL CNTL	770138			16472	80	292	
A0226	TSC-20		COMMUNICATIONS CENTRAL		E52625		04999	75	N/A	
A0233	GR-4-39		RADIO SET CONTROL GR JJP		679292	E06300	00000	75	N/A	
A0334	VRC-43		RAD13 SET		25113		00700	75	N/A	
A0358	VRC-43		RAD13 SET		Q53001		00000	75	N/A	
A0359	VRC-47		RAD13 SET		054174		00000	75	N/A	
A0360	VC-64		RAD13 SET		056193		00000	75	461	
A0361	VRC-12		WAD10 SET		045779		00000	75	N/A	
A0362	PRC-77		RAD13 SET VHF/FM MANPACK		038299		00000	75	N/A	
A0364	ARC-114		RAD13 SET		025990		00000	75	N/A	
A0365	ASC-15		ELEC COMMAND CONSOLE	770173	216075		00000	75	N/A	
A0367	FRC-93		RADIO SET UHF USB LSb		027006		00000	75	N/A	

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KEY # NOVENCLATURE ACRONYM DESCRIPTION

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DEFINITION OF A COUNTRY - STYLIC CHANNEL RADIO

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AAAC058	AT-2315	TOWER ROOF EXPANDABLE/MC
AAAC059	AB-964	TAC ANT MAST 100 FT
AAAC059	AB-254	BB 24N-JIR ANT/GAKS/VR/C
AAAC079	BB 24N-JIR ANT/GAKS/VR/C	VHF TAC 4JULTRPL 2 PRT
AAAC079	ID-1219	FOREST-3TELEF VEH ANI/GAR
AAAC079	AS-2731	RAPID ERECT 30FT MAST SYS
AAAC079	AS-3450V	SURV L2PZS2LLE ANT 1GARS
AAAC079	AS-34194	DIR UHF LP ANTENNA/GARS
AAAC079	AS-34195	ANTENNA 4F 115CA9
AAAC079	AS-34199	ANTENNA 4F 115CA9
AAAC079	DT-313	CENTERED DP ANT/MRC-24
AAAC079	DT-315	ANTENNA GROUP DJJALIFI
AAAC079	DT-317	ANTENNA GROUP JJJSBLE *
AAAC079	DT-319	MAST ASSEMBLY/MRC-138
AAAC079	DT-321	ANTENNA GRP/TAC-112/121
AAAC079	DT-322	ANTENNA/TAC-139
AAAC079	DT-323	ANTENNA BAND 1/GAC-103
AAAC079	DT-324	ANTENNA BAND 1/GRC-103
AAAC079	DT-325	ANTENNA 34D 115GK-103
AAAC079	DT-326	ANTENNA 34D 115GK-103
AAAC079	DT-327	ANTENNA 34D 115GK-103
AAAC079	DT-327	MAST ASSEMBLY/TAC-102
AAAC079	DT-327	ANTENNA 312 VHF 1/2 214-#8
AAAC079	DT-327	STEEL TAPE WHIP 3 FT/PAC
AAAC079	DT-327	MULTISECTION WHIP 10FT/PAC
AAAC079	DT-327	VEHICULAR WHIP 10 FT/PAC
AAAC079	DT-327	COLLAPSIBLE WHIP 10FT/PAC
AAAC079	DT-327	LONG DIRE ANTENNA/PAC
AAAC079	DT-327	GROUND PLANE ANTENNA/SFH
AAAC079	DT-327	LOOP ANTENNA/DP/CF
AAAC079	DT-327	LOOP ANTENNA/PAC/CF

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KEY # NOMENCLATURE

ACRONY

DESCRIPTION

***** ANTIENNAS *****

KEY #	NOMENCLATURE	ACRONY	DESCRIPTION	BIP#	LINE #	SSN	ACN	YR	FUND	REMARKS
AAD0296	AS-1-321		LONG WIRE ANTENNA/PRC-47				00000	00	N/A	
AAD297	AS-1-434		DIVI-21A ANTENNA/PRC-41				00000	00	N/A	
AAD298	AS-1-405		UN-1-1 LP ANTENNA/PRC-41				00000	00	N/A	
AAD299	AS-1-837		WHIP ANTENNA/PRC-74				00000	00	N/A	
AAD300	AT-1-97		DISCON ANTENNA/PRC-69				00000	00	N/A	
AAD309	AB-6-64		TAC ANT MAST 100/FIRK MID	760290	241116				N/A	
AAD003	MW-4-03		MAST EXTENSION KIT/MC						N/A	
AAD057	TD-1-239		WIF TRC MULTICPLRS PRT	770079	296517		46971	77	282	

***** C3 SEC *****

KEY #	NOMENCLATURE	ACRONY	DESCRIPTION	BIP#	LINE #	SSN	ACN	YR	FUND	REMARKS
AAC0104	KU-1-15		TAPE READER	760014	140005		16472	77	279	
AAC0102	HG-1-92		LOOP KEY GEN CNTRL	792016	216033		38505	79	383	
AAC113	HG-1-83		AUDIO KEY DISSTR GEN	790113	235137		38505	79	383	
AAC014	HG-1-84		INTERFACE CNTRL UNIT	790114	253236		30505	79	622	
AAC0105	KC-1-3		KEY VARIABLE GENERATOR	790106	225177		38505	79	383	
AAC0106	KY-5-7		VINSON	693264	501313		BC2056			
AAC0107	HY-1-57		MLA	760013	Na0351		16472	77	279	
AAC0108	KC-1-2		LGK	760105	225181		38505	79	363	
AAC0109	KC-1-1		TEC	790104	225185		38505	79	383	
AAC0110	KY-1-3		VINSON	701441	BC2050		16472	77	279	
AAC0111	KY-1-2		DLED	701442	BC2050		35055	79	383	
AAC0112	KG-1-6		PARKHILL	790107	225259		35055	79	383	
AAC0114	KY-1-5		SPEECH SECURITY EQUIP	720094	277097		BC2100	20151	77	282
AAC0115	HY-1-13		KEY GEN	730085	£38103				N/A	
AAC0116	KY-1-13		NET CNTRL DEVICE	750105	NO22158		16472	77	279	
AAC0227	HG-1-92		COMM EQUIP FRAME	750152	00000		00000	77	N/A	
AAC0231	HG-1-83		COMMON EQUIP FRAME	751463	00000		00000	77	N/A	
AAC0222	HG-1-91		CEF	751455	00000		00000	77	N/A	
AAC0233	HG-1-91		CEF	751456	00000		00000	77	N/A	
AAC0234	HY-1-63		COMMON EQUIP FRAME	751455	00000		00000	77	N/A	
AAC0235	HY-1-71		FRAME (LTD)	251020	-		00000	77	N/A	
AAC0237	HG-1-95		BATTERY ELIMINATOR	299185	-		00000	77	N/A	
AAC0239	KY-1-13		RECHARGE & STRY PBX SUPPLY	261843	-		00000	77	N/A	
AAC0240	KT-1-13		TRANS UNIT PBX ASSY				00000	00	N/A	
AAC0241	HG-1-91		CODE CHANGER KIT	645166	-		00000	77	N/A	
AAC0242	HG-1-92		KVG TEST SET	790109	233307		00000	77	N/A	
AAC0243	KY-1-13		FRAMES (LTD)	292295	-		00000	77	N/A	
AAC0246	KG-1-2	DVP	LOOP KEY GENERATOR (DVP)	790116	216338		00000	77	N/A	
AAC0449	KG-1-3 DVP		KEY VARIABLE GEN (DVP)				00000	77	N/A	
AAC0450	HG-1-82 DVP		LOOP KEY GEN CNTRL (DVP)				00000	77	N/A	
AAC0215	KC-1-1 DVP		TRUNK EQUIP DEVICE (DVP)	690003	L22297		00000	75	N/A	
AAC0314	KC-1-7		ELEC KEY GENERATOR	690003	£24431		00000	75	N/A	
AAC0345	KL-7		CLP-1 KEY ACTIVE				00000	75	N/A	
AAC0356	KW-7		ELEC TTY SECURITY EQUIP	HO230	-		00000	75	N/A	
AAC0367	KY-0-9		NESTOR	001275	-		00000	75	N/A	
AAC0368	KY-2-8		NESTOR	001295	00000		00000	75	N/A	
AAC0369	KY-3-8		SPEECH SEC EQUIP (ARY)	001005	00000		00000	75	N/A	
AAC0370	KC-3-0-15		SPEECH SECURITY EQUIP	001005	00000		00000	75	N/A	
AAC0351	HYL-3		ELECTRIC KEY GENERATOR	HO1178	105500		23472	75	N/A	
AAC0391	KC-4-5		TACTICAL DIGITAL RECEN	W0921	-		00000	75	N/A	
AAC0460	Z-4HD		KEY GEN HIGH SPEED TACT	770160	225273		23370	75	N/A	
AAC0560	KY-75		NESTOR CNTL JNT KY-75	762003	-		00000	20151	N/A	
			PARKHILL	720092	277092		152000	20151	282	

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REMARKS

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LOC

REMARKS

AA0572

WIRE CABLE (CRYPTO)

***** VEHICLE

REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
AA0437	M-715		TRUCK 1 1/4 T	X39883			N/A				
AA0438	H-211		TRUCK 2 1/2 T	X40009			N/A				
AA0439	M-5842		TRUCK 2 1/2 T	X40003			N/A				
AA0440	H-35		TRUCK 2 1/2 T	X40009			N/A				
AA0441	H-37		TRUCK 3/4 T	X39872			N/A				
AA0446	H-52		TRACTIR	X59326			N/A				

***** SHELVES & VANS

REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
AA0057	S-250		SHELTER	000000	00	N/A					
AA0071	S-233		SHELTER	000000	03	N/A					

***** POWER UNITS & TRAILERS

REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
AA0223	PU-025		ENV CJN JUNIT 19K BTJ	J46252			N/A				
AA0422	PU-031		PR UNIT M-101 TRL 2-3KW	J46396			N/A				
AA0423	PU-0324		PR UNIT M-103 TRL 2-5KW	J49033			N/A				
AA0424	PU-035		PR UNIT M-101 TRL 10KW	J35492			N/A				
AA0425	PU-013		PR UNIT M-100 TRL 15KW	J47490			N/A				
AA0426	PU-013		PR UNIT M-103 TRL 2-5KW	J46258			N/A				
AA0427	PU-023		PR UNIT M-101 TRL 2-5KW	J5372			N/A				
AA0428	PU-023		PR UNIT M-103 TRL 2-5KW	J35698			N/A				
AA0429	PU-003		PR UNIT M-35 TRL 4.5KW	J35551			N/A				
AA0430	PU-007		PR UNIT M-200 TRL 4.5KW	J42100			N/A				
AA0431	PU-013		PR UNIT M-103 TRL 2-10KW	J35629			N/A				
AA0432	PU-050		PR UNIT M-200 TRL 6.0-KW	690114							
AA0433	PU-074		PR UNIT M-105 TRL	J47915							
AA0434	MJC-10		PWK 2EA M-200 2-30KW	690114							
AA0435	PU-234		PWK UNIT M-105 TRL 2-5KW	J41315							
AA0436	PU-753		PWK UNIT M-200 TRL 10KW	229556							
AA0437	PU-017		PWK UNIT M-101 TRL 2-3KW	J46394							
AA0438	PU-023		PWK UNIT M-116 TRL 2-5KW	J47617							
AA0439	CX-11230		PWR SUPPLY 29 VDC	T47915							

***** WIRE AND CABLE DISTRIBUTION

REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
AA0117	CX-11230		CABLE SPEC PUR 1/4 MILE	65108	80	163					
AA0122	CX-0556		CABLE ASSY 26 PR 250 FT	00000	00	N/A					
AA0123	WD-17AL-139		CABLE TO 1 MILE	00000	75	381					
AA0124	WD-17AR-8		CABLE TP 1/4 MILE	C68719							
AA0125	WD-17AX-306		CABLE T 1 1/4 MILE	C68993							
AA0126	CX-11230		CABLE SPEC PUR 100FT	65108	75	182					
AA0127	WF-16	4 COND	CABLE TP 1 MILE	00000	75	N/A					
AA0130	J-1077		DISTRIBUTION BOX	00000	75	N/A					

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REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
DATE 03/06/31	EQUIPMENT FILE FORCE MODEL F3	BY KEY NUMBER		AIIIMSP0077							

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REF #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACN	FUND	YR	LOC	REMARKS
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REV #	NONUNIQUE NAME	ACRONYM	DESCRIPTION	BUDGET #	LINE #	SSN	ACN YR	FUND	REMARKS
6000 WIRE AND CABLE DISTRIBUTION									
AA0250	CX-4730		25 PR 15FT CABLE ASSY TP	000000 00		N/A	N/A	N/A	
AA0252	CX-1034/6		CABLE ASSY ADAPTER	000000 00		N/A	N/A	N/A	
6000 TEST EQUIPMENT									
AA0020	56-1139		DIGITAL DATA GENERATOR	45569 81	103				
AA0070	SI-36		INTMD LEV TEST SET(1SEC)	39505 81	282				
AA0515	66-N-15		TEST SET TELC			N/A			
AA0596	S-551/AR4-1641X	C1	TEST SET TELS			N/A			
AA0595	S-552/ARH-1641X	C1	ELEC MAINT SHOP (MAINT)	790019	260573				
			ELEC MAINT SHOP (STORAGE)	790000	275936				

- EQUIPMENT LIST F-4 IS A LISTING OF THE INTACS HYB:13 PHASE EQUIPMENT WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

THE FOLLOWING INFORMATION IS FURNISHED:

1. KEY # - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.
2. NOMENCLATURE, ACRONYM, DESCRIPTION - EQUIPMENT IDENTIFICATION.
3. BZIP # - BASIS OF ISSUE PLAN FOR FUTURE EQUIPMENT.
4. LINE # - LIN-ALPHAMERIC LINE ITEM NUMBER IDENTIFICATION OF A GENERIC NOMENCLATURE.
5. SSN - STANDARD STUDY NUMBER - FUNDING NUMBER ASSIGNED TO APPROVED PROCUREMENT ITEMS.
6. ACN - ACTION CONTROL NUMBER ASSIGNED TO TRACK ALL ACTIONS PERTAINING TO A PROGRAM.
7. FUND VR - INITIAL FUNDING YEAR.
8. IOC - INITIAL OPERATIONAL CAPABILITY - TIME WHEN EQUIPMENT AND TRAINED PERSONNEL CAN BE DEPLOYED.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) 100 MAR 3,1981 (0).

This REPORT IS AVAILABLE ONLY BY EQUIPMENT CATEGORY, BUT MAY BE SORTED BY ANY COLUMN WITHIN CATEGORY.

QUESTIONS SHOULD BE ADDRESSED TO JSASC-SIMJ AFCLC/N 780-3182/3671.

DATE 03/04/31

EQUIPMENT FILE FORCE MODEL: 14 BY MEYER JAMES

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KEY #	NUMERICAL	ACRONYM	DESCRIPTION	801P #	LINE #	SSH	ACN	YR	FREQ	REMARKS
***** MULTICHANNEL TRANSMISSION *****										
AAC001	TAC-174		RADIO REPEATER SET	790040	754160		35335	80	285	
AAD003	TSC-93		TACSAT 4/C TERMINAL (SHF)	773081	5346935	R81250	2275	77	479	
AAC009	TSC-65A		TACSAT 4/C TERMINAL (SHF)				00000	00	482	
AAC010	TSC-33A		TACSAT 4/C TERMINAL (SHF)				00000	00	682	
AAC019	TSC-05		TACSAT 4/C TERMINAL (SHF)				14939	37	379	
AAC020	TSC-35		TACSAT 4/C TERMINAL (SHF)	729508	552212	889507	2275	77	379	
AAC025	GRC-1031W4	BAND IV	RADIO SET	754341			35325	77	N/A	
AAC002	TRC-173		RADIO TERMINAL SET	752720			35335	82	285	
AAC007	TRC-138		RADIO REPEATER SET (430)	78041			35325	81	286	
AAC008	TRC-178		RADIO TERM/RPTR SET	78046			35335	79	286	
AAC014	TRC-175	SUPER	RADIO TERMINAL SET	790038	275573		2193	81	286	
AAC015	TRC-1131W0D		RADIO REPEATER SET (DCM)				00000	00	N/A	
AAC030	GRC-1161W3		RADIO SET (UNIVERSAL)				00030	77	N/A	
AAC024	GRC-1141W4	SQUARE	RADIO SET (SWR MUD)				00000	80	N/A	
AAC023	TRC-112		RADIO TERMINAL SET				00000	75	N/A	
AAC034	TRC-121		RADIO TERMINAL SET				00000	75	N/A	
AAC035	TRC-132A	PLRS	RADIO TERMINAL SET				00000	75	N/A	
AAC038			MASTER UNIT				00000	75	23529	00
AAC050	CV-2530		FREQ CUV							N/A
AAC056	DA-437		DUMMY LOADS							N/A

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AAC029	TD-1059	TOIN	TIME DIVISION DIGITAL MUX	690491	121130	77	13357	77	183
AAC030	TSC-97		DATA MULTIPLEX SET	790187	220530	-	13357	79	N/A
AACC50	TD-1219	HSPR	H/S PULSE RESTURER	770067	250533	-	21957	79	286
AAC028	TD-1218	LSPR	L/S PULSE RESTURER	770046	250544	-	21957	79	286
AAC062	TD-1026	64	GROUP 4 JDE4	743662	-	-	21957	79	286
AAC056	TD-1237	M64	MASTER SP 4JX	745676	-	-	21957	79	286
AAD073			TACCAT AJCCYL 4JDE4	790266	272038	-	22752	77	481
AAC120	TD-1234	RMC	REMOTE MUX CJW314K	770043	245684	-	21957	79	N/A
AAD0128			DIGITAL TRCP3 MODEM	00000	78	-	00000	78	N/A
AAD129	TD-1236	164	TNK GRUP 2 4JX	745653	-	-	21957	79	286
AAD035			TACCAT 4C DATA 4JDE4	21268	83	-	21268	83	288
AA0146	T5-3647	C0J	CABLE ORDERIRE UNIT	770048	211774	-	21957	79	286
AA0143	TD-1233	RUG	REMOTE LOOP CRJP MUX	770040	245689	-	21957	81	286
AA0151	TD-1024	HSD	HS CABLE D/R 4JDE4	243957	-	-	21957	79	296
AA0152	TD-1023	LSD	LS CABLE D/R 4JDE4	243658	-	-	21957	79	286
AA0153	TD-1025	RUG-CD	BLG-CABLE D/R 4JDE4	243682	-	-	21957	79	286
AA0270	C-10116	JCC 1	ORDREIRE CYRL J TYPE 1		525692	00	284		
AA0271	C-10717	JCC 2	ORDREIRE CYRL U TYPE 2		525000	00	284		
AA0464	TD-1235	LG4	LOOP CRJP 4JX		245671		N/A		
AA0532	MD-1055	103	400E4 DIGITAL DATA 4JDE4						

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AM0054 CSPE COMM-SATISHE PLANNING ELM N/A 23434 83

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DATE 03/06/81

EQUIPMENT FILE FORCE MODELS: F4
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REF #	MONUMENTURE	ACQ/NM	DESCRIPTION	301P #	LIN#	SSN	ACN	YR	FUND	LOC	REMARKS
TACTICAL COMMUNICATIONS CONTROL FACILITIES											
AAD058	TSO-111(V1)	CNE 1	COMM VUDAL CTRL ELEM	770002	21606	23425	80	285			
AAD059	TYD-15	CNE 1	COMM SYS CTRL ELEM	770035	21632	23278	82	286			
AAD10	TSO-111(V3)	CNE 111	COMM VUDAL CTRL ELEM	800155	216404	23625	80	285			
AAD16	MSC-32A	OPERATIONS	CEN COMM (PIP)	N2063	35327	80	282				
AAD32	MSC-31	OPERATIONS	CEN COMM (PIP)	N2015	00000	75	N/A				
AAD63	MSC-25	OPERATIONS	CEN COMM (PIP)	N1977	35327	80	282				
SWITCHING											
AAC016	TTC-39(V1)	CS	AUTOMATIC CENTRAL OFFICE	790046	214264	24720	81	393			
AAD039	TTC-39(V2)	CS	AUTOMATIC CENTRAL OFFICE	790067	214295	22720	81	383			
AAC050	TTC-42(V2)	ULCS	AUTOC TPCN OFFICE (15OL)	790230	29492	23442	82	1-6			
AAC061	SB-3655	ULCS	AUTOC SWBD (3OL)	780251	29480	23442	82	1-6			
AAC062	SB-3855	ULCS	AUTOC 530 (6OL)			23442	82	1-6			
AAC063	SB-22	MS	SABCD TELEPHONE MANUAL	J8107		23470	75	281			
AAC066	TYC-39	MS	AUTO MESSAGE SW/OL-54	760098	24230	22720	81	164			
AAD052	TTC-42(V1)	ULCS	AUTOC TPCN OFFICE (75L)	770021	29481	23442	82	186			
AAC039	CB-42(V1)	CBW	CBW 4200	00414226 (UL45)		00000	00	N/A			
AA0119	SB-9-93	CV-DGTL	SWITCHBOARD MANUAL			00000	75	N/A			
AA0120			SECURE CONVERTER (1 PORT)	770153	20437	3e508	82	466			
TERMINALS											
AAC053	C-6103	BWAD	CBNN CONTROL UNIT	E95072				281			
AAD050	KY-0	SDVRIU	DIGI VET RAD INT UNIT	75533				296			
AAC083	TA-39	DSVT	TELEPHONE SET	73105	034506	24293	81				
AAD030	KY-0-8	DSVT	DIG SECURE TP	790110	27507	23415	75	177			
AAC091	HYX-63/TSEC		ENCLISIEN TEL	72629		36505	79	383			
AAD032	TA-312		TELEPHONE SET	V3111	067506	23470	75	N/A			
AAC055	TA-1		TELEPHONE SET	V3052		00000	75	N/A			
AAC037	TA-287		REPEATER TELEPHONE	Ran50		00000	75	N/A			
AAD016	TA-956	DNVT	DIG NOV-SEC TP	22259		23415	81	183			
AAD052		CV-DGTL	SECURE CONVERTER (1 PORT)	770153	20437	38508	82	486			
AAD206	CV-3521	ADV/T	ADV 32 JVC TERM	208123		20786	84	185			
AAD021	TA-773	SMAT	TELEPHONE SIG INTERFACE	780040	235146	B29440	15472	80	483		
AAD332	TA-261		TELEPHONE SET	V30137		00000	75	N/A			
AAD330	TA-3-61		TELEPHONE SET	V31213		00000	75	N/A			
AAC031	TA-433		TELEPHONE SET	27768		23415	75	177			
AAC357	TA-235	PLRS	TELEPHONE SET	V3063		00000	75	N/A			
AAC036		PLRS	PLRS BASIC JNT	783151	143312	23559	00	484			
AAC397		PLRS	PLRS MANPACK KIT	780162	249013	23559	00	484			
AAC369		PLRS	PLRS SURFACE VEH KIT	790163	249814	23559	00	484			
AAC400		PLRS	PLRS AIRBORNE VEH KIT	780164	249015	23559	00	484			
AAC0401		PLRS	PLRS AUX GRD KIT	780165	249016	23559	00	484			
AAC402		PLRS	PLRS SURFACE TEST UNIT	780166	249017	23559	00	484			
AAC0437	TA-9-86	DWT	DIG NON-SEC TP (CN-TRU)	24380		20817	85	183			
AAC0466		CV-DGTL	SECURE CONVERTER (3 PORT)	900062	265314	23559	00	N/A			
AAD0469		PLRS	PLRS MANPACK UNIT	25056		23559	00	484			
AAD470		PLRS	PLRS SURFACE VEH UNIT	25058		23559	00	484			
AAD671		PLRS	PLRS AIRBORNE VEH UNIT	25059		23559	00	484			

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EQUIPMENT FILE FORCE MODELS: F4
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KEY A MONUMENTURE ACRONYM

EQUIPMENT FILE FORCE MODELS: F4

BY KEY NUMBER

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FUND

DATE 03/04/91

EQUIPMENT FILE FORCE MODELS: F4
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KEY # Nomenclature Acronym Description

FUND LINE # SSN ACN YR IOC REMARKS

***** ANTENNAS *****

AAD280	AB-952		MAST ASSEMBLY/GRC-103		00000	00	N/A	
AAD284	DE-303		ANTENNA DIR VHF 1/2 KW048		00000	00	N/A	
AAD285	RC-292		GROUND PLANE ANTENNA /FH	4722560	00000	00	N/A	
AAD295	AS-1320		WIMP ANTENNA /PRC-47		00000	00	N/A	
AAD296	AS-1321		LONG WIRE ANTENNA/PRC-47		00000	00	N/A	
AAD297	AS-1404		DOME-DIR ANTENNA/PRC-41		00000	00	N/A	
AAD298	AS-1405		UNI-DIR LP ANTENNA/PRC-91		00000	00	N/A	
AAD299	AS-1837		WIMP ANTENNA/PRC-74		00000	00	N/A	
AAD300	AI-197		DISCONE ANTENNA/IRL-69		00000	00	N/A	
AAD309	AB-964		TAC ANT 45ST 100F/FIR M10	Ab9246	00000	00	N/A	
AAD303	4K-3U3		MAST EXTENSION KIT/4C	741716				
AAD307	TD-1239		VHF TAC MULTICPLR S PKT	710019	725517	46371	77	2A2

***** C14 SEC *****

AAD074	KU1-13		TAPE READER	750014	140-25	16472	77	279
AAC102	HG-82		LOOP KEY GEN CNTRL JC	791116	116-38	36505	79	393
AAD133	HG-93		ADJ KEY DISTR GEN	791113	245-37	36505	79	383
AAC104	HG-84		INTERFACE CONTROL UNIT	791114	253-38	36505	79	282
AAD105	HG-93		KEY VARIABLE GENERATOR	791010	225-77	36505	79	383
AAC105	KY-57		KEY SECURITY EQUIP	593254	501173	BC2056	16472	77
AAD107	HY-57		MLA	76051	16472	16472	77	279
AAD108	HG-62		LOOP KEY GENERATOR	791013	225-81	38505	79	363
AAD109	KG-91		TRUNK ENCP DEVICE	791014	225-85	36505	79	382
AAD111	KY-58		SPECIA SEC EQUIP ABN	720189	501171	BC2050	16472	77
AAD112	KG-64		OPEN LOOP ENCP DEVICE	791017	225-89	36505	79	383
AAD114	KY-55		OPEN LOOP SECURITY EQUIP	720091	177087	BC2100	20151	77
AAD115	KY-13		KEY SJN	730005	E94103			
AAD116	KY-15		NET CONTROL DEVICE	750105	402258	16472	77	N/A
AAD119	HG-93		OPEN ENCP DEVICE	791018	225-83	38505	82	194
AAD127	HG-92		CROWN EQUIP FRAME	251552	00000	00	N/A	
AAD231	HGF-83		COMMAND EQUIP FRAME	251653	00000	00	N/A	
AAD232	HGF-93		COM24 EQUIP FRAME	251555	00000	00	N/A	
AAD233	HGF-91		FRAME (IED)	251520	00000	00	N/A	
AAD234	HY-63		BATTERY ELIMINATOR					
AAD235	HY-71		RECHARGER DRY PAR SUPPLY	261443				
AAD237	HG-95		TRANS UNIT AX ASSY					
AAD238	KG-93		AUDI KEY DISTR CEN	790115	235744			
AAD239	KI-13		CODE CHANGER KEY	E45355				
AAD240	KI-3		KV. TEST SET	790109	215-37	00000	77	1/A
AAD241	HG-94		FRAME (ILOC)	292295	00000	00	N/A	
AAD242	HG-92		LOOP KEY GENERATOR (DVP)	292294	00000	00	N/A	
AAD248	KG-92	DVP	KEY VARIABLE GEN (DVP)	790116	216038	00000	77	N/A
AAC269	KG-43	DVP	LOOP KEY GEN CONTROL (DVP)	790116	216038	00000	77	N/A
AAD254	HGX-92	DVP	LOOP KEY GEN DEVICE (DVP)			00000	77	2/A
AAD255	KG-01	DVP	TEO			00000	77	N/A
AAD345	KL-7		CIPHER MACHINE			00000	75	N/A
AAD350	KG-30-15		ELECTRONIC KEY GENERATOR			00000	75	N/A
AAD351	HYC-3		TACTICAL DIGITAL RECEN			00000	75	N/A
AAD391	KC-45		KEY GEN HIGH SPEED TACT	770140	22573	23370	75	N/A
AAD409	Z-AHO		REMOTE CNTL UNIT KY-75			262203		

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EQUIPMENT FILE FORCE MODELS: F4
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KEY # Nomenclature Acronym Description

FUND LINE # SSN ACN YR IOC REMARKS

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EQUIPMENT FILE FORCE MODELS: F4
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KEY # Nomenclature Acronym Description

FUND LINE # SSN ACN YR IOC REMARKS

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KEY # Nomenclature

ACRONYM

DESCRIPTION

BQIP # LINE # S/N

ACH YR FUND

REMARKS

CON SEC

AAD224 KY-15 PARKHILL SPEECH SECURITY EQUIP ASN 720092 177092 TS2000 20151 282
AAD572 M-211 TRUCK 1 1/4 NON-STANDARD X39893
AAD576 HGF-93 TRUCK 1 1/4 N/A
AAD578 TRUCK 2 1/2 T X40009
AAD439 M-35 TRUCK 2 1/2 T X40009
AAD440 M-35 TRACTOR X52326

VEHICLE

SHE TERS & VANS

AAD047 S-250 SHELTER

AAC071 S-250 SHELTER

PILOT UNITS & TRAILERS

AAC225 PU-25

AAC422 PU-31

AAC423 PU-33A

AAC424 PU-33A

AAC425 PU-405

AAC426 PU-413

AAC429 PU-403

AAC430 PU-407

AAC431 PU-413

AAC432 PU-453

AAC433 PU-479

AAC434 WJG-13

AAC435 PU-246

AAC436 PU-753

AAC462 PU-617

AAC463 PU-629

AAC501

WIRE AND CABLE DISTRIBUTION

AAC0117 CX-11230

AAC0122 CX-4-556

AAC0123 MD-1/1L-159

AAC0124 MC-1/FR-9

AAC0125 MD-1/SA-306

AAC0126 CX-11230

AAC0127 MF-16 COND

AAC0130 J-1077

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EQUIPMENT FILE FORCE MODEL: F4
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KEY # Nomenclature

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EQUIPMENT FILE FORCE MODEL: F4

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KEY # Nomenclature

ACRONYM

DESCRIPTION

WIRE AND CABLE DISTRIBUTION

AA0250	CX-750	26 PR 15FT	CABLE ASSY TP CABLE ASSY ADAPTER
AA0252	CX-10734/6		

TEST EQUIPMENT

AA0028	56-1139	DIGITAL DATA GENERATOR	32
AA0078	S1-34	INSTRUMENT LEVEL TEST SET (SEC)	790112
AA0596	S-551/ARM-1641(X C)	ELEC MAINT SHOP (MAIL VTI)	283684
AA0595	S-552/ARM-1641(X C)	ELEC MAINT SHOP (STORAGE)	36505 81
			240673
			N/A
			N/A

EQUIPMENT LIST F-5 IS A LISTING OF THE INTRAC'S JAVELIN SYSTEM WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

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6. ACN - ACTION CONTROL NUMBER ASSIGNED TO TRACK ALL ACTIONS PERTAINING TO A PROGRAM.
7. FUND YR - INITIAL FUNDING YEAR.

8. IDC - INITIAL OPERATIONAL CAPABILITY - TIME WHEN EQUIPMENT AND TRAINED PERSONNEL CAN BE DEPLOYED.

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DATE 03/04/31

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KEY # Nomenclature ACRONYM DESCRIPTION

REMARKS

FUND INC

ACN VR

LINE # SSN

BUP#

**** MULTICHANNEL TRANSMISSION

			RADIO REPEATER SET	790040	254150	35335	80	285
			TAC DIGITAL TADP 1KD			00000	00	N/A
			M/C TACSAT SHF OBJ 36CH			14339	83	193
			M/C TACSAT SHF 33J 72CH			14339	83	193
			MOSILE SJB CENTRAL (4SE)			56190	85	498
			MSC			55225	77	N/A
			BAND IV			35335	82	255
			RADIO SET			35335	81	256
			RADIO TERMINAL SET (4C4)			35325	79	296
			RADIO REPEATER SET (4C4)			02767	73	296
			RADIO DIGITAL TADP 10KD			35325	79	296
			RADIO LINE/RPT SET			21031	21	246
			RADIO TERMINAL SET			00000	00	N/A
			RADIO REPEATER SET (4C4)			00000	00	N/A
			M/C CP 2410 (4M4)			46842	86	156
			M/C CP 2410 (4M4)			00000	77	14
			RADIO SET (UNIVERSAL)			00000	80	N/A
			RADIO SET (SRDRR QU)			23559	00	N/A
			RADIO SET (SRDRR QU)			23559	00	N/A
			PLRS			250161		
			MASTER UNIT					
			FREQ CONV					
			DUMMY LOADS					

**** MULTIPLEX

AAC023	TD-1059	TD3M	TIE DIVISION DIGITAL MUX	597191	121130	13351	77	183
AAC020	TSC-97		DATA MULTIPLEX SET	790187	22050	13357	79	N/A
AAC050	TD-1219	HSPR	H/S PULSE RESTISTER	770067	25053	21057	79	286
AAC051	TD-1218	LSPR	L/S PULSE RESTISTER	770066	25054	21957	79	286
AAC062	ML-1026	GM	GROUP MEDIUM	243662	243676	21357	79	286
AAC054	TD-1237	HG4	MASTER SP MUX	730066	272068	22752	77	481
AAC073			TACSAT AJC MUX MODEM	790142	741665	837001	82	195
AAC046	MD-1052	014	OPTICAL TRANS 43DEW	790142	741665	837001	82	195
AAC057	RT-1237	-081	OPTICAL APTR XMT/R	790164	263097	837101	82	186
AAC120	TD-1234	RMC	REMOTE MUX COMINER	770043	265854	21957	79	286
AAC129	TD-1236	IG4	TACSAT 4C DATA MUX	745853	21357	77	285	
AAC135	T5-3647	CNU	CABLE STORE KIT UNIT	770048	211176	22268	83	289
AAC140	TD-1233	RLCM	REMOTE LOOP GROUP MUX	770060	245589	21957	81	286
AAC143	TD-1024	15C04	HS CABLE 24R MIDEA	743657	21957	79	286	
AAC151	4C-1024		LS CABLE DVR MUX	243658	21757	79	286	
AAC152	MD-1023	LSCD4	LS CABLE DVR MUX	243658	21757	79	286	
AAC153	MD-1025	RL3M-CD	RL3M-CABLE DVR MDEM	243662	21957	79	286	
AAC270	C-10716	OCU 1	ORDER WIRE CNTL U TYPE 1			52692	90	284
AAC271	C-10717	OCU 2	ORDER WIRE CNTL U TYPE 2			52500	00	284
AAC054	TD-1235	LG4	LOOP GRUP MUX	245671				
AAC0502	MD-1055	103	MUX					
AAC0506	MD-1055	103	DIGITAL DATA MUX					

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**** TACTICAL COMMUNICATIONS CONTROL FACILITIES

AAC006	RSQ-114		TACSAT CONTROL CENTER	534509		22752	77	479
AAC056	CSPE	COM SYSTEM PLANNING ELEM				23434	83	N/A

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KEY # Nomenclature ACRONYM DESCRIPTION

FUND INC

ACN VR

LINE # SSN

BUP#

REMARKS

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REF # INVENTNATURE ACRONYM DESCRIPTION

***** TACTICAL COMMUNICATIONS CONTROL FACILITIES

REF #	INVENTNATURE	ACRONYM	DESCRIPTION	BUDP #	LINE #	S/N	ACV	YR	FUN	REMARKS
AAD058	T50-111W17	CNEC 1	COMM NODAL CTRL ELEM NODAL CONTROL FACILITY CSCF	770002	714406	23425	P0	295		
AAD065	TY0-3b	CSCF	COMM SYS CTRL ELEM	770005	216432	56190	S5	688		
AAC075	T50-111W3	CNEC 111	COMM NODAL CTRL ELEM OPERATIONS CEN CJ4M	600155	216404	23278	S2	286		
AAD018	T50-111W3			420115	00300	23425	S0	285		
AAD0324	MSC-31					00300	75	V/A		

***** SWITCHING

AAD038	TTC-39(V1)	CS	AUTOMATIC CENTRAL OFFICE	790046	214294	22720	S1	383		
AAD039	TTC-33(42)	CS	AUTOMATIC CENTRAL OFFICE	790047	214295	22720	S1	383		
AAD040	TTC-42(V2)	ULCS	AUTO IP CEN OFFICE (15OL)	780<50	194982	23442	R2	186		
AAD041	SB-3955	ULCS	AUTD 5490 (15OL)	790251	214980	23442	R2	186		
AAD042	SB-3655	ULCS	AUTD 5490 (5OL)			23442	R2	186		
AAC043	SB-22		SABD TELEPHONE MANUAL			23442	R2	186		
AAD055	TYC-39	AS	MESSAGE SYSTEM-S	Ub1707	214707	23470	S5	181		
AAD059	TTC-42(V1)	ULCS	AUTD IP CEN OFFICE (175L)	760098	16230	23470	S1	182		
AAC098		COM4 MOD	COMM MODULE TUMSA	770021	214931	23462	R2	186		
AAC113	SB-933		SWITCHBOARD TUMSA			06000	S0	184		

***** TERMINALS

AAC053	C-6703	BARC 1	COMM CONTROL UNIT	830072	23470	56190	S5	468		
AAC053		HSE-AU	ACCESS UNIT	243530	23470	24293	S1	298		
AAC053	KY-90	-	SOURCE	255099	23470	23415	S5	177		
AAC083	TA-933	-	TELEPHONE SET	834096	23470	38505	S1	383		
AAD030	KY-68	DSWT	DIG SECURE SET	790110	214907	234629	S0	383		
AAD091	HYX-63/1SEC	-	EXTENSION TEL			23470	S5	184		
AAC032	TA-312	-	TELEPHONE SET	831211	069606	069606	S0	383		
AAC095	TA-1	-	TELEPHONE SET	770252	00000	00000	S0	N/A		
AAC037	TA-297	-	REPEATER TELEPHONE	830360	00000	00000	S0	N/A		
AAC121	MST	-	MOBILE S3 TERM (TER)	243597	20917	20917	S5	198		
AAC161	DNV1	-	DLV VNO-SEC TP	222159	23415	23415	S1	185		
AAC150	CV-051	-	CV-051	204808	3682	466	S0	N/A		
AAG206	CN-3531	ANDY	ADV VS 215 V2C TERM	219339	20736	94	S0	185		
AAD0221	TA-973	SMAT	TELEPHONE SIG INTERFACE	780040	235146	235146	S0	443		
AAD039	TA-265	-	TELEPHONE SET	830937	00000	00000	S0	174		
AAC040	TA-341	-	TELEPHONE SET	711243	00000	00000	S0	174		
AAC0361	TA-833	-	TELEPHONE SET	275558	859100	23415	S5	177		
AAC357	TA-235	-	TELEPHONE SET	830663	00000	00000	S0	174		
AAC0396	-	PLRS	PLRS TASIC UNIT	7930151	235559	235559	S0	494		
AAC397	-	PLRS	PLRS BACK KIT	76162	249813	23559	O0	494		
AAC399	-	PLRS	PLRS SURFACE VEH KIT	760163	249814	23559	O0	494		
AAC0400	-	PLRS	PLRS AIRBORNE VEH KIT	760164	249815	23559	O0	494		
AAC0401	-	PLRS	PLRS A/C KIT	780165	249816	23559	O0	494		
AAC0402	-	PLRS	PLRS PORTABLE TEST UNIT	780166	249817	23559	O0	494		
AAC447	TA-986	DNV1	DIG VNO-SEC TP (NON-KJC)	243580	20817	20817	S5	183		
AAC066	-	CV-051	SECURE CONVERTER #3 PRT	900052	255314	255314	S0	N/A		
AAC0469	-	PLRS	PLRS MAPACK UNIT	250156	23559	23559	O0	494		
AAC0470	-	PLRS	PLRS SURFACE VEH UNIT	250158	23559	23559	O0	494		
AAC0471	-	PLRS	PLRS AIRBORNE VEH UNIT	250159	23559	23559	O0	494		

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KEY # Nomenclature Acronym Description

BJIP # LINE # SSN ACN YR ITC

REMARKS

**** RECORD-TRAFFIC

KEY #	NOMENCLATURE	ACRONYM	DESCRIPTION	BJIP #	LINE #	SSN	ACN	YR	ITC	FU/DO	REMARKS
AAC077	TDC		TACTICAL DIS CIPHER	770131	219342		24956	80	190		
AAC0110	MICROULMS		MOB TACT CEN CEN W/JLMS	790050	223166		23970	82	286	/A	
AAC131	VIDUART		VISUAL DISPLAY UNIT	790048	204458		23970	82	286		
AAC132	AN/VRRT		AUXILIARY READY	760092	739252		22534	91	344		
AAC134	UXC-4		TAC-DTE FACSIMILE				23970	80	483		
AAC136	OCX		OPTICAL CHAR READER				23871	94	487		
AAC137	MICC W/D		MOB TACT COMM LEX	790042	243733		23871	94	487		
AAC139	DMD		DATA COMM TERMINAL				23432	3	3/A		
AAC165	PSG-2		DIGITAL SPU DEVICE	760180	212406		01000	75	3/A		
AAC166	SST-4RTT		MOB RECORD IFCT T4L (SVGL)	790043	273117		23970	32	244		
AAC167	UXC-4		TAC REC TEC FAX	760092	738252		22534	80	344		
AAC327	GSO-8J		MESSAGE CENTER				073271	22210	75	3/A	
AAC342			DSTIE-LJ				00000	75	3/A		
AAC343			DSTIE-41				00000	75	3/A		
AAC351			AUX LINE DATA INTER (RATTI)				278666	75	3/A		
AAC582	CR		CARD READER (MATTI)						3/A		
AAC583			HAC TAPE TRANSPORT JUNTI	900163	240570				3/A		
AAC587	OLDED		DIV LEVEL DATA ENTRY DEV	790022	223539				3/A		

**** SINGLE CHANNEL RADIO

KEY #	NOMENCLATURE	ACRONYM	DESCRIPTION	BJIP #	LINE #	SSN	ACN	YR	ITC	FU/DO	REMARKS
AAC048	BCS		BURST CJ44 SYS (CJ7-STAN)				12779	92	482		
AAC050	TSC-93		CMM CENTRAL (BASE STA)	760090	211116		12779	82	152		
AAC055	PNC-113		RADIO SET PORTABLE UHF/AM	770068	255876		21229	78	284		
AAC052	GSC-6J		REMOTE CONTROL				22224	83	3/A		
AAC0113			TACSAT SC AND T				22751	79	481		
AAD1%			ASC-GARS				00000	80	256		
AAD155	PRC-X4		CMWV CONSOLE				52243	92	194		
AAD156	PRC-114		IMPULSED HF RADIO MANPACK	900195	233595		62399	82	184		
AAC170	GR-174		IMPAULSED HF RADIO VEH	800186	233594		00000	83	3/A		
AAC171	WC-119		RADIOS SET				00000	83	3/A		
AAC172			RADIOS SET				00000	83	3/A		
AAC175	WSC-7		BASE STN (PSC-11) JMF /E-1	790262	2177011		22751	78	290		
AAC181			ED AIR RDX 2000 RXM15				23428	82	362		
AAC2192			DIV AIR RDX 4EX15				23428	82	352		
AAC153			TACSAT S/C TERMINAL				23640	84	487		
AAC155	PSC-1		TACSAT 4 AVPACK (JMF)	590359	217753		22771	78	252		
AAC187	PRC-63		RADIOS SET UHF/FM HANDHELD	761239	255741		8222569				
AAC188	PNC-7J		RADIOS SET UHF/FM MANPACK	690473	816369		805160				
AAC190	ARC11(V2)		SINCgars				22524	83	27		
AAC191	GRCC1(V2)		SINCgars				763173				
AAC192	GRCC1(V2)		SINCgars				763166				
AAC193	GRCC1(V5)		SINCgars				254324				
AAC194	GRCC1(V6)		SINCgars				760167				
AAC195	GRCC1(V1)		SINCgars				254325				
AAC196	GRCC1(V7)		SINCgars				751510				
AAC197	GRCC1(V3)		SINCgars				254323				
AAC198	GRCC1(V4)		SINCgars				750169				
AAC199	GRCC1(V5)		SINCgars				254327				
AAC200	GRCC1(V6)		SINCgars				254192				
AAC201	GRCC1(V7)		SINCgars				750152				
AAC202	GRCC1(V3)		SINCgars				254190				
AAC203	GRCC1(V4)		SINCgars				760148				
AAC204	GRCC1(V5)		SINCgars				22624				

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FU/DO

REMARKS

KEY # Nomenclature Acronym Description

BJIP # LINE # SSN ACN YR ITC

REMARKS

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KEY # Nomenclature
***** ANTENNAS

KEY #	NOMENCLATURE	ACRONYM	DESCRIPTION	BOIP #	LINE #	SSN	ACH YR	FUN	I/C	REMARKS
A00277	AS-1853		ANTENNA BAND 11/GRC-103			00000 00		N/A		
A00278	AS-1854		ANTENNA BAND 11/GRC-103			00000 00		N/A		
A00279	AS-1917		HAST ASSEMBLY/GRC-103			00000 00		N/A		
A00290	AS-1952		ANTENNA GRP/TCL-170 ALI			00000 00		N/A		
A00281	DA-0112		ANTENNA GRP/TCL-170 ALI			00000 00		N/A		
A00292	DE-293		ANTENNA GRP/TCL-170 ALI			00000 00		N/A		
A00293	DE-294		ANTENNA GRP/TCL-170 ALI			00000 00		N/A		
A00294	DE-295		ANTENNA DIR VHF 1/2 RHOMB			00000 00		N/A		
A00295	RC-292		CROSS PLANE ANTENNA/FM	472250		00000 00		N/A		
A00296	AS-1321		MF3 ANTENNA/PAC-47			00000 00		N/A		
A00297	AS-1321		LONG WIRE ANTENNA/PAC-47			00000 00		N/A		
A00298	AS-1454		DHNI-DIR ANTENNA/PAC-41			00000 00		N/A		
A00299	AS-1455		JNI-JIR LP ANTENNA/PAC-41			00000 00		N/A		
A00300	AS-1837		SHIP ANTENNA/PAC-74			00000 00		N/A		
A00300	AT-197		DISCONE ANTENNA/TRC-6A			00000 00		N/A		
A00301	AB-16		TAC ANT 4431 100F/TRK 41D	750290	241716	00000 00		N/A		
A00302	MK-105		MAST EXTENSION KIT/MC			00000 00		N/A		
A00303	MK-105		VHF-FRC 4411CPLRS PORT	770079	295517	46571 77	282			
A00304	TO-1239									
***** C01 SEC										
A00305	KD1-13		TAPE READER	760014	16046	16472 77	279			
A00306	MGX-92		LCB KEY GEN CNTRL	791016	216233	38505 79	363			
A00307	MGX-83		AUD KEY OUT/R GEN	790013	135737	38505 79	383			
A00308	MGX-84		INTERFACE CNTRL UNIT	790044	253133	380505 79	282			
A00309	KC-03		KEY VARIABLE GENERATOR	791006	125277	34505 79	383			
A00310	KY-57		SPEC-1 SECURITY EQUIP	593264	501373	BC2056	147277	279		
A00310	KY-57		MICELINE ADAPTER	760013	W60351	16472 77	279			
A00310	LKG		LOOP KEY GENERATOR	790105	225201	34505 79	363			
A00311	KC-02		TRUCK ENCP DEVICE	790104	225202	34605 79	383			
A00312	KC-01		TRUCK ENCP DEVICE	720189	501461	BC2050	16472 77	279		
A00313	KY-58		SPEC-1 SEC EQUIP ASN	720107	225239	34805 79	363			
A00314	KC-06		DEU LOOP ENCP DEVICE	720091	277037	BC2100	20151 77	282		
A00314	KY-13		PARKHILL	730095	E9A103					
A00315	KY-15		KEY GEN	750105	Q02756	16472 77	279			
A00316	MCD		NET CONTROL DEVICE	790108	225293	34805 79	363			
A00317	SYED		TRUCK ENCP DEVICE			16472 90	190			
A00318	KC-33		VAD 14V SW 4150V			00000 00		N/A		
A00319	KC-33		CC443N EQUIP FRAMF	251452		00000 00		N/A		
A00320	HGF-82		CC443N EQUIP FRAMF	251453		00000 00		N/A		
A00321	HGF-82		CC443N EQUIP FRAMF	251454		00000 00		N/A		
A00322	HGF-83		CC443N EQUIP FRAMF	251455		00000 00		N/A		
A00323	HGF-83		FRAME (ITED)	251520		00000 00		N/A		
A00323	HGF-91		BATTERY ELIMINATOR	251520		00000 00		N/A		
A00324	HYP-63		RECHARGER BTRY PWR SUPPLY	299183		00000 00		N/A		
A00325	HYP-71		TRANS UNIT BOX ASSY	261913		00000 00		N/A		
A00326	HGF-95		AUTO KEY DISTR CEN	790115	135764	01000 00	77	KA		
A00327	HGF-95		CODE CHANGER KEY	790109	E45756	00000 00	77	N/A		
A00328	KC-93		KVC TEST SET	235807		00000 00	77	N/A		
A00329	KIK-13		FRAME (ITED)	292395		00000 00	77	N/A		
A00330	KT-93		FRAME (LKGI)	292396		00000 00	77	N/A		
A00330	KT-93		LOOP KEY GENERATOR (DVP)			00000 00	77	N/A		
A00331	HGF-96		KEY VARIABLE GEN (DVP)			00000 00	77	N/A		
A00332	HGF-92									
A00333	HGF-92									
A00334	HGF-92									
A00335	HGF-92									
A00336	HGF-92									
A00337	HGF-92									
A00338	HGF-93									
A00339	HIK-13									
A00340	KT-93									
A00341	HGF-96									
A00342	HGF-92									
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A00435	HGF-92									
A00436	HGF-92									
A00437	HGF-92			</td						

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KEY # Nomenclature ACRONYM DESCRIPTION

*** TERMINAL ASSEMBLAGES

			LINE #	SSN	ACN	YR	FAC	REMARKS
AAC024	WS-77				45551	78	N/A	
AAC026		M577 TAC CP			28738	82	166	
AAC031		BN CP CJ4M TRACK			28939	82	285	
AAC032		DTOC STAFF CJ4M ASBL			28939	82	285	
AAC033		DISCON CJ4M ASBL			28939	82	285	
AAC034		FASCASPT BN CJ4M ASBL			28939	82	285	
AAC035		DIV/DOE COMM ASBL			28939	82	285	
AAC036		DIV BICC CJ4M ASBL			28939	82	285	
AAC037		BN COMM ASBL			28939	82	285	
AAC044		CJUC COMM ASBL			26939	82	285	
AAC055		CTOC STAFF CJ4M ASBL			26939	82	285	

*** WIRE AND CABLE DISTRIBUTION

AAC011	TS-3758	OTIS	TEST SET OPTICAL	790146	783774	K21101	23266	R2
AAC019		JCA	OPTICAL CABLE ASSEMBLY	790143	211219	836401	232766	R2
AAC017	CX-11220	LOUN	LOCAL DIST 3'FTIC 4 JOINT	790145	243672	636661	25166	195
AAC018	CX-4556		CABLE SPEC P/N 1/4 MILE				05108	R0
AAC022	CX-11220		CABLE ASSY 25' PR 250 FT				06230	00
AAC023	BC-1/RL-159		CABLE IP 1 MILE	C68856			00000	75
AAC024	NU-1/DR-3		CABLE IP 1/4 MILE	C68719			23100	75
AAC025	BC-1/4X-306		CABLE IP 1/3 MILE	C68993			00000	75
AAC026	CX-11230	4 COND	CABLE SPEC D/R 100FT				65108	75
AAC017	MF-16		CABLE IP 1 MILE				00000	75
AAC030	J-1077		DISTRIBUTION BOX				00000	75
AAC029	CX-4750	26 PR 15FT	CABLE ASSY TP				00000	00
AAC022	CX-10734/6		CABLE ASSY ADAPTER				00000	00

*** TEST EQUIPMENT

AAC028	SG-1139		DIGITAL DATA GENERATOR				45549	81
AAC029	SI-34		INITED LEV TEST SET(SEC1)	790132	283684		38505	81
AAC034	S-551/ARM-166IX	C1	ELEC MAINT SHOP (MAIN) V1	790069	240673		N/A	
AAC035	S-552/ARM-166IX	C2	ELEC MAINT SHOP (510) V2	790090	275936		N/A	

APPENDIX E. EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES

MULTICHANNEL

KEY	NOMENCLATURE	QTY	KEY	NOMENCLATURE
301	TRC-145 Radio Term Set	1	422	PU-625 Power Unit
		1	472	M-101 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
166	TRC-113 Radio Rptr Set	1	422	PU-625 Power Unit
		1	472	M-101 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
302	TRC-138 Radio Rptr Set	1	631	PU-631 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
303	TRC-112 Radio Term Set	1	424	PU-332A Power Unit
		1	472	M-101 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
304	TRC-121 Radio Term Set	1	425	PU-405 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	439	M-35A2 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
305	TRC-132A Radio Term Set		1	484 MJQ9 Power Unit
			1	477 M-118 Trailer
			2	71 S-280 Shelter
			2	438 M-211 Truck
19	TSC-86 TACSAT M/C Term		1	425 PU-405 Power Unit
			1	478 M-200 Trailer
				Shelter
				Truck
20	TSC-85 TACSAT M/C Terminal		2	425 PU-405 Power Unit
			2	478 M-200 Trailer
			1	71 S-280 Shelter
			2	439 M-35A2 Trucks
3	TSC-93 TACSAT M/C Terminal		2	436 PU-753 Power Unit
			2	478 M-200 Trailer
			1	47 S-250 Shelter
			2	490 M-885 Truck
382	TRC-110 Radio Rptr Set		1	426 PU-118 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
390	TRC-117 Radio Terminal Set		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
167	TRC-145 Radio Term Set (PIP)		1	422 PU-625 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
5	TRC-151 Radio Terminal Set		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
7	TRC-152 Radio Rptr Set		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
52	TRC-173 Radio Terminal Set		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
1	TRC-174 Radio Rptr Set		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
67	TRC-138 Radio Rptr Set (Mod)		1	423 PU-631 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
144	TRC-175 Radio Term Set (SRWBR)		1	426 PU-631 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
85	TRC-(DI) 5/4 173/113 Mod		2	422 PU-625 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
15	TSC-(S) M/C DAMA TACSAT		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
16	TSC (M) M/C DAMA TACSAT			
		1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
17	TSC (L) M/C DAMA TACSAT			
		1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
398	PLRS Master Unit			
				Power Unit
				Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
21	MSC Mobile Subscriber Central			
		1	481	PU-406 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
<u>MULTIPLEX</u>				
<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
325	TCC-60 Terminal Telephone			
		1	427	PU-628 Power Unit
		1	472	M-101 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
	TCC-61 Terminal Telephone		1	428 PU-629 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
307	TCC-65 Terminal Telephone		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
325	TCC-69 Terminal Telephone		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
308	TCC-72 Terminal Telephone		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
309	TCC-73(V)1 Terminal Telephone		1	428 PU-629 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
310	TCC-73(V)2 Terminal Telephone		1	428 PU-629 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
30	TSC-97 TODM Assemblage		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
169	TCC-65 Terminal Telephone (PIP)		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
442	TCC-72 Terminal Telephone (PIP)		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
173	TCC-73 Terminal Telephone (PIP)		1	428 PU-629 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

TACTICAL COMMUNICATIONS CONTROL FACILITIES

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
323	MSC-25 Comm Ops Center			
		1	429	PU-408 Power Unit
		1	439	M-35A2 Truck
		1	493	M-348A2 Semi-Trailer Van
		1	445	M-275A2 Tractor
324	MSC-31 Comm Ops Center			
		1	430	PU-407 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
326	MSC-32 Operations Central			
		1	430	PU-407 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
331	TSC-76 Comm Patching Center			
		1	428	PU-629 Power Unit
		1	474	M-103 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
332	SB-675 Comm Patch Panel			
		1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
74	TSQ-84 Tech Control Center		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
72	TSQ-84A Tech Control Center		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
6	MSQ-114 TACSAT		2	432 PU-650 Power Unit
			2	478 M-200 Trailer
			1	492 33 Ft Semi-Trailer Van
			1	446 M-52 Tractor
			2	440 M-35 Trucks
76	TSQ-85 Tech Control Center		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
443	MSC-25 Comm Opns Center (PIP)		1	429 PU-408 Power Unit
			1	439 M-35A2 Truck
			1	493 M-348A2 Semi-Trailer Van
			1	445 M-275A2 Tractor

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
168	MSC-32A Comm Opns Center (PIP)			
		1	430	PU-407 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
58	TSQ-111 (1(V)) CNCE			
		2	432	PU-650 Power Unit
		2	478	M-200 Trailer
		2	71	S-280 Shelter
		2	438	M-211 Truck
118	TSQ-111 (111(V)) CNCE			
		2	432	PU-650 Power Unit
		2	478	M-200 Trailer
		2	71	S-280 Shelter
		2	438	M-211 Truck
75	TYQ-16 CSCE			
		2	481	PU-406 Power Unit
		2	478	M-200 Trailer
		2	71	S-280 Shelter
		2	438	M-211 Truck
65	MSE Control Facility			
		2	481	PU-406 Power Unit
		2	478	M-200 Trailer
		2	71	S-280 Shelter
		2	438	M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
54	CSPE	1	429	PU-408 Power Unit
		1	440	M-35 Truck
		1	71	S-280 Shelter
		1	438	M-211 Truck

SWITCHING

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
311	MTC-1 Central Office Telephone	1	433	PU-619 Power Unit
		1	475	M-103 Trailer
		2	494	S-280 Shelter
		3	438	M-211 Truck
354	MTC-9 Central Office Telephone	1	481	P-406 Power Unit
		1	478	M-200 Trailer
		2	493	M348A2 Van
		2	445	M-275A2 Tractor
312	TTC-23 Central Office Telephone	1	428	PU-629 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck

EQUIPMENT PACKAGES - POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
413	TTC-25 (V1) Central Office Tp		1	482 PU-402 Power Unit
			1	478 M-200 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
414	TTC-25(V2) Central Office Tp		1	482 PU-402 Power Unit
			1	478 M-200 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
313	TTC-29 Central Office Telephone		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
314	TTC-35(V1) Central Office Tp		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
315	TTC-35(V2) Central Office Tp		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
316	TTC-38(V)1 Tactical Automatic Switch			
		1	434	MJQ-10 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
317	TTC-38(V)2 Tactical Automatic Switch			
		1	434	MJQ-10 Power Unit
		1	478	M-200 Trailer
		1	71	S-280 Shelter
		1	438	M-211 Truck
321	TTC-41(V)1 Switchboard Automatic 60L			
		1	463	PU-620 Power Unit
		1	476	M-116 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
322	TTC-41(V)2 Switchboard Automatic 90L			
		1	463	PU-620 Power Unit
		1	476	M-116 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck
392	TTC-41(V)3 Switchboard Automatic 120L			
		1	463	PU-620 Power Unit
		1	476	M-116 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
38	TTC-39(V)1 Automatic Central Office		3	481 PU-406 Power Unit
			1	485 J-3525 Power Control
			4	478 M-200 Trailer
			2	71 S-280 Shelter
			2	438 M-211 Trucks
39	TTC-39(V)2 Automatic Central Office		3	481 PU-406 Power Unit
			1	485 J-3525 Power Control
			4	478 M-200 Trailer
			2	71 S-280 Shelter
			4	438 M-211 Trucks
56	TYC-39 Automatic Message Switch		3	432 PU-650 Power Unit
			1	485 J-3525 Power Control
			4	478 M-200 Trailers
			4	71 S-280 Shelters
			4	438 M-211 Trucks
59	TTC-42(V)1 Unit Level Switch (75L)		1	425 PU-405 Power Unit
			1	478 M-200 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

EQUIPMENT PACKAGES-POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
40	TTC-42(V)2 Unit Level Switch (150L)		1	425 PU-405 Power Unit
			1	478 M-200 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
99	TYC-11 Unit Level Message Switch		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck

RECORD TRAFFIC

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
327	GSQ-80 Message Center		1	71 S-280 Shelter
			1	438 M-211 Truck
328	MGC-19 TTY Ops Center		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	439 M-35A2 Truck
355	MGC-22 TTY Terminal		1	481 PU-406 Power Unit
			1	478 M-200 Trailer
			1	493 M-348A2 Semi-Trailer Van
			1	446 M-52 Tractor

EQUIPMENT PACKAGES - POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
356	MGC-23 TTY Relay		1	481 PU-406 Power Unit
			1	478 M-200 Trailer
			1	493 M-348A2 Semitrlr Van
			1	446 M-52 Tractor
420	MGC-32 TTY Ops Central		1	481 PU-406 Power Unit
			1	478 M-200 Trailer
			1	493 M-348A2 Semitrlr Van
			1	446 M-52 Tractor
329	TGC-30 Central Office TTY		1	427 PU-628 Power Unit
			1	472 M-101 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck
330	TSC-58 Terminal Telegraph		1	431 PU-619 Power Unit
			1	474 M-103 Trailer
			1	71 S-280 Shelter
			1	438 M-211 Truck
444	MGC-17 Central Office TTY		1	426 PU-618 Power Unit
			1	474 M-103 Trailer
			1	47 S-250 Shelter
			1	437 M-715 Truck

EQUIPMENT PACKAGES - POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
421	MSC-29 Terminal Telegraph	1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	439	M-35A2 Truck
110	MTCC/ULMS	1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	439	M-35A2 Truck
137	MTCC	1	431	PU-619 Power Unit
		1	474	M103 Trailer
		1	71	S-280 Shelter
		1	439	M-35A2 Truck
138	Data Communications Terminal	1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	71	S-280 Shelter
		1	439	M-35A2 Truck

SINGLE CHANNEL RADIO

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
306	TSC-20 Communications Central	1	431	PU-619 Power Unit
		1	474	M-103 Trailer
		1	47	S-250 Shelter
		1	437	M-715 Truck

EQUIPMENT PACKAGES - POWER, SHELTERS, VEHICLES (CONT'D)

<u>KEY</u>	<u>NOMENCLATURE</u>	<u>QTY</u>	<u>KEY</u>	<u>NOMENCLATURE</u>
370	TSC-18 Communications Central			
		2	487	PU-495 Power Unit
		2	479	M-353 Trailer
		1	493	M-348A2 Semitrlr Van
		1	446	M-52 Tractor
384	GRC-142 Radio TTY Set			
		1	47	S-250 Shelter
		1	437	M-715 Truck
51	GRC-122 Radio TTY Set			
		1	47	S-250 Shelter
		1	437	M-715 Truck

J

APPENDIX F
EQUIPMENT AND FORCE MODEL OUTPUT FORMATS

EQUIPMENT LIST F-5 IS A LISTING OF THE INTACS OBJECTIVE SYSTEM WHICH IS DERIVED FROM THE MASTER EQUIPMENT FILE.

THE FOLLOWING INFORMATION IS FURNISHED:

- 1 - KEY # - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.
- 2 - NOMENCLATURE, ACRONYM, DESCRIPTION - EQUIPMENT IDENTIFICATION.
- 3 - BOIP # - BASIS OF ISSUE PLAN FOR FUTURE EQUIPMENT.
- 4 - LINE # - LIN-ALPHAMERIC LINE ITEM NUMBER IDENTIFICATION OF A GENERIC NOMENCLATURE.
- 5 - SSN - STANDARD STUDY NUMBER - FUNDING NUMBER ASSIGNED TO APPROVED PROCUREMENT ITEMS.
- 6 - ACN - ACTION CONTROL NUMBER ASSIGNED TO TRACK ALL ACTIONS PERTAINING TO A PROGRAM.
- 7 - FUND YR - INITIAL FUNDING YEAR.
- 8 - IOC - INITIAL OPERATIONAL CAPABILITY - TIME WHEN EQUIPMENT AND TRAINED PERSONNEL CAN BE DEPLOYED.

LAST REVISION TO THE DATA BASE WAS MADE ON REVISION DATE 100 MAR 3,1981 (0).

THIS REPORT IS AVAILABLE ONLY BY EQUIPMENT CATEGORY. EJT MAY BE STARTED BY ANY COLUMN WITHIN CATEGORY.

QUESTIONS SHOULD BE ADDRESSED TO JSASC-S14D AJTUJU 790-3182/3671.

DATE 03/12/73

EQUIPMENT FILE FORCE 4 JDEEL: FS
BY KEY NUMBER

AIIMSP0077

PAGE -2-

KEY # - NOMENCLATURE

ACRONYM

DESCRIPTION

BUID # LINE #

SSN

ACN YR

FUND

JDC

REMARKS

***** MULTICHANNEL TRANSMISSION

AA0001	TRC-174	RADIO REPEATER SET	790040	254160	35335	80	285
AA0014	TRC-170(V3)	TAC DIGITAL TRJPJ 1KW			00000	00	N/A
AA0015	TRC-170(V2)	TAC DIGITAL TRJPJ			00000	00	N/A
AA0016	TSC-151	M/C FACSAT SHF DBJ 36CH			14939	83	193
AA0017	TSC-143	M/C FACSAT SHF DBJ 72CH			14939	83	193
AA0021	MSC	MOBILE SUB CENTRAL (4SE)	163586		56190	85	488
AA0025	GRC-103(V4)	RADIO SET	254341		35335	77	N/A
AA0052	TRC-173	RADIO TERMINAL SET	790041		35335	82	285
AA0057	TRC-138	RADIO REPEATER SET (4MD)	R78048		35335	81	286
AA0084	TRC-170(V1)	TAC DIGITAL TRJPJ 10KW	V31305		02787	83	286
AA0095	TRC-178	RADIO TERM/RPTR SET			35335	79	286
AA0144	TRC-175	RADIO TERMINAL SET	790038	275573	21931	81	286
AA0165	TRC-113(MOD1)	RADIO REPEATER SET (10CH)			00000	00	N/A
AA0174		MFC CP RADIO (4WD)	790164	256335	B10001	48842	80
AA0230	GRC-136(V3)	RADIO SET (UNIVERSAL)			00000	77	N/A
AA0265	TRC-146(V6)	SRNBKR			00000	80	N/A
AA0398	PLRS	RADIO SET (SRNBKR MOD)	750151		235559	00	484
F AA0505	CW-2500	MASTER JUXT					N/A
F AA0506	DA-437	FREQ CONV					N/A
2		DUMMY LOADS					N/A

***** MULTIPLEX

AA0059	TD-1159	TIME DIVISION DIGITAL MUX	690491	721130	13357	77	183
AA0030	TSC-37	DATA 4MULTIPLEX SET	730197	220550	13357	79	N/A
AA0060	TD-1219	HSPR		H/S PULSE RESTORER	21957	79	286
AA0061	TD-218	LSPR		L/S PULSE RESTORER	21957	79	286
AA0052	TD-1026	U4		GRJ3 MJDEN	21957	79	286
AA0064	TD-1237	H4		MASTER GP MUX	243652		
RA0072				TACSAT AJ/CYTL MODEM	243674		
AA0096	WD-1052	JT4		OPTICAL TRANS MODEM	790142	243695	B37001
AA0037	RI-1247	ORT		OPTICAL RPTR X4T2	790144	263097	B37101
AA0120	TD-1234	RMC		REMOTE MUX COMBINER	770043	245684	
AA0129	TD-1236	TG4		TNK GROUP MUX	245853		
AA0135				TACSAT AC DATA MODEM		21957	79
AA0140	TS-3647	COJ		CABLE ORDERWIRE UNIT	770048	211774	
AA0143	TD-1233	RL64		REMOTE LOOP GROUP MUX	770040	245689	
TA0151	MD-1024	HS CDM		HS CABLE DVR MODEM	243657		
AA0152	WD-1023	LSCD4		LS CABLE DVR MODEM	243658		
12 AA0153	WD-1025	RIGM-CD		RIGM-CABLE DVR MODEM	243682		
11 AA0270	C-10716	OCU 1		ORDERWIRE CNTRL U TYPE 1		21957	79
10 AA0271	C-10717	OCU 2		ORDERWIRE CNTRL U TYPE 2		52692	00
9 AAC064	TD-1235	LG4		LOGP GRIJP MUX	245671		
7 AA0502	WD-1065	103 TUDET		DIGITAL DATA MODEM			N/A

***** TACTICAL COMMUNICATIONS CONTROL FACILITIES

AAD006	MS9-116	TACSAI CONTROL CENTER	534509	22752	77	479
NA0056		COMM SYSTEM PLANNING ELEMENT				

EQUIPMENT SUMMARY BY FORCE F-5 (OBJECTIVE SYSTEM) PROVIDES EQUIPMENT AND UNIT TOTALS BY ACTIVE ARMY,
NATIONAL GUARD, ARMY RESERVE AND TOTAL FORCE.

THE INFORMATION UNDER COLUMN HEADINGS IS :

- 1 - KEY NUMBER - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.
- 2 - NOMENCLATURE AND DESCRIPTION - EQUIPMENT IDENTIFICATION.
- 3 - ACT/EQ - TOTAL ACTIVE ARMY EQUIPMENT IN THE FORCE
- 4 - NG/EQ - TOTAL NATIONAL GUARD EQUIPMENT IN THE FORCE
- 5 - RES/EQ - TOTAL ARMY RESERVE EQUIPMENT IN THE FORCE
- 6 - TOT/ED - TOTAL EQUIPMENT IN THE FORCE.
- 7 - ACT - NUMBER OF ACTIVE ARMY UNITS IN THE FORCE.
- 8 - NG - NUMBER OF NATIONAL GUARD UNITS IN THE FORCE.
- 9 - RES - NUMBER OF RESERVE ARMY UNITS IN THE FORCE
- 10 - TOT - TOTAL NUMBER OF UNITS IN THE FORCE.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) (ee MAR 3,1981 ed).

QUESTIONS SHOULD BE ADDRESSED TO JASASC-S143 AUTOMATION 790-3182/3671.

DATE 03/17/81

FORCE MODEL EQUIPMENT SUMMARY
331 AND C4PNCNETS

PAGE ALHSP0097

KEY #

VOCABULARY/DESC
F-500 MULTICHANNEL TRANSMISSION

EQUIPMENT = JUNIT = QUANTITY
*****ASSESSABLES*****
ACT ARMY VAT GUARD RES ARMY TOT/EQ
CONBR. OF UNITS ACT NAT RES

•FORCE MODEL F-500 MULTICHANNEL TRANSMISSION

KEY #	VOCABULARY/DESC	EQUIPMENT = JUNIT = QUANTITY
A00001	TRE-174	RADIO REPEATER SET
A00014	TRE-170(V3)	TAC DIGITAL TRJP0 1KW
A00015	TRE-170(V2)	FAC DIGITAL TRJPJ
A00016	TSE-151	4/C TACSAT SHF OBJ 36CH
A00017	TSE-1(W)	4/C TACSAT SHF OBJ 72CH
A00021	MSL	MOBILE SUB CENTRAL (4SE)
A00025	GRC-103(V6)	RADIO SET
A00052	TRE-173	4ADID TERMINAL SET
A00057	TRE-138	4ADID REPEATER SET (WJD)
A00084	TRE-170(V1)	TAC DIGITAL TRJPJ 10Kw
A00085	TRE-179	RADIO TERM/KPR SET
A00144	TRE-175	RADIO TERMINAL SET
A00155	TRE-113(VCC)	RADIO REPEATER SET (DG4)
A00174	MC>R	4/C CP RADIO (W4W)
A00230	GRC-164(V3)	RADIO SET (UNIVERSAL)
A00245	GPC-164(V4)	RADIO SET (SRMBR MODE)
A00339	PLS	MASTER JUNIT
A00505	CY-2500	FREQ CONV
A00506	DA-437	C4MMY LJADS

•FORCE MODEL F-500 MULTIPLEX

TIME DIVISION DIGITAL MUX
DATA MULTIPLEX SET
4/S PULSE RESTISTER
L/S PULSE RESTISTER
GROUP 4JDE4
MASTER GP MUX
TACSAT AJ/CNTL MODEM
OPTICAL TRANS MODEM
OPTICAL RPIN XMT/R
ROUTE 4JX CJ431NE3
TACSAT MC DATA MODEM
TACSAT MC DATA MODEM
CABLE ORDERWIRE JUNIT
REMOTE LOOP GRJUP 4JX
4S CABLE DVR 4JDE4
LS CABLE DVR MODEM
RLGN-CABLE DVR MODEM
ORDERWIRE CTRL U TYPE 1
ORDERWIRE CTRL U TYPE 2
LOOP GRJUP MUX
DIGITAL DATA MODEM

•FORCE MODEL F-500 TACTICAL COMMUNICATIONS CONTROL FACILITIES

HSJ-116
CS2E
TSJ-111(V1)
MSE CONTROL FACILITY CSCE
TSJ-16
TSJ-111(V1)
C4MM SYSTEM PLANNING ELEM
C4MM NODAL CTRL ELEM
C4MM CONTROL FACILITY CSCE
C4MM SYS CTRL ELEM

EQUIPMENT ASSEMBLAGES BY FORCE F-5 (OBJECTIVE SYSTEM) PROVIDES THE NUMBER OF ASSEMBLAGES, AMOUNT OF COMPONENTS PER ASSEMBLAGE, AND TOTALS OF COMPONENTS IN THE FORCE.

THE INFORMATION UNDER COLUMN HEADINGS IS :

1. ASBL KEY # THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE
2. COMP KEY # THE COMPONENT NUMBER IN THE DATA BASE.
3. NOMENCLATURE AND DESCRIPTION - EQUIPMENT IDENTIFICATION.
4. QUAN/ASBL - QUANTITY OF EACH ASSEMBLAGE.
5. ACT/EQ - TOTAL ASSEMBLAGES AND COMPONENTS FOR ACTIVE ARMY IN THE FORCE.
6. NG/EQ - TOTAL ASSEMBLAGES AND COMPONENTS FOR NATIONAL GUARD IN THE FORCE.
7. RES/EQ - TOTAL ASSEMBLAGES AND COMPONENTS FOR RESERVE ARMY IN THE FORCE.
8. TOT/EQ - TOTAL ASSEMBLAGES AND COMPONENTS IN THE FORCE.
9. ACT - NUMBER OF ACTIVE ARMY UNITS IN THE FORCE.
10. NG - NUMBER OF NATIONAL GUARD UNITS IN THE FORCE.
- RES - NUMBER OF RESERVE ARMY UNITS IN THE FORCE.
- TOT - TOTAL NUMBER OF UNITS IN THE FORCE.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) (see MAR 3, 1981 **).

QUESTIONS SHOULD BE ADDRESSED TO USASC-SIVD AUTONON 780-3182/3671.

DATE 03/17/01

EQUIPMENT ASSESSAGES BY FORCE

ALIHS 00093

PAGE 2

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FUJIVILLENT = SNTT * QUANTITY
ASSEMBLAGE S*****
FACT ARMY VAT GUARD RES ARMY TOL

QUAN-
ASBL
ACT AFM
YAT GUARD
WES ARMY
TDT/EQ
F UNIT/ENT = UNIT & QUANTITY
ASSEMBLAGE

REF ID: F-500 MULTICHANNEL TRANSMITTER					
CALL SIGN	TRANSMITTER	RADIO REPEATER SET	RADIO SET	DATA MODEM	POWER SOURCE
AA0001	TRC-174 GRC-103(W4)	RADIO REPEATER SET	RADIO SET	GRCJP MODEM	003
AA0025	MD-1026	RADIO SET	RADIO SET	MDJP MODEM	001
AA0062	MD-1026	SHELTER	SHELTER	MDJP MODEM	001
AA0071	S-280	2016 SECURE TP	2016 SECURE TP	MDJP MODEM	001
AA0090	KY-68	TELEPHONE SET	TELEPHONE SET	MDJP MODEM	001
AA0092	TA-312	TRUNK ENCPY DEVICE	TRUNK ENCPY DEVICE	MDJP MODEM	003
AA0109	KG-81	SPEECH SET EQUIP APR	SPEECH SET EQUIP APR	MDJP MODEM	001
AA0111	KY-58	EDC DECP ENCPY DEVICE	EDC DECP ENCPY DEVICE	MDJP MODEM	002
AA0112	KC-34	KEY GUN	KEY GUN	MDJP MODEM	001
AA0115	KY-13	NET CNTRL DEVICE	NET CNTRL DEVICE	MDJP MODEM	001
AA0116	KYK-15	LS CABLE DVR MODEM	LS CABLE DVR MODEM	MDJP MODEM	003
AA0152	MD-1023	RADIO REPEATER SET	RADIO REPEATER SET	MDJP MODEM	003
AA0226	TRC-138(PIP)	ORDERWIRE CNTRL U TYPE 1	ORDERWIRE CNTRL U TYPE 1	MDJP MODEM	001
AA0270	C-10716	PWR SUPPLY 25 VDC	DIGITAL DATA MODEM	DIGITAL DATA MODEM	003
AA0501	MD-1065	MAST EXTENSION KIT/MC	MAST EXTENSION KIT/MC	MDJP MODEM	002
AA0502	MD-1065	INTERCOM	INTERCOM	MDJP MODEM	003
AA0503	MK-806	FREQ CNW	FREQ CNW	MDJP MODEM	001
AA0504	LS-147F	DUMMY LOADS	DUMMY LOADS	MDJP MODEM	002
AA0505	CV-2500	HEADSET-MICROPHONE	HEADSET-MICROPHONE	MDJP MODEM	001
AA0506	DA-637	FILL CABLE (CRYPTO)	FILL CABLE (CRYPTO)	MDJP MODEM	001
AA0570	H-182				
AA0572					

REC-170(W3)	TAC DIGITAL TRP3 1KW
D-1026	GROUP 4 DDEM
Y-68	DIG SECURE TP
G-81	TRUNK ENCP DEVICE
Y-58	SPEECH SEC EQUIP ARN
G-84	DED LOOP ENCP DEVICE
Y<-J3	KEY CJN
D-1236	TRK GROUP MUX
D-1023	LS CABLE 3X3 4JDEM
L-1235	LOOP GROUP MUX
	FIL CABLE (CRYPTO)

TRC-170(W3)

AAA U0762	MD-102b
AAA U0790	KY-68
AAU U109	KG-81
AAA A0111	KY-58
AAA A0112	KG-84
AAA A0115	KY-C-J3
AAA A0129	TD-1236
AAA A0152	MD-1023
AAA U064	TC-1235
AAA O572	

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TAC DIGITAL TRIP	GROUP MODEM
D-1026	DIG SECURE TP
Y-68	TRUNK ENCP DEVICE
C-91	SPEECH SEC EQUIP A
Y-58	DED LJJPP ENCP DEV
G-84	KEY GUY
Y-13	TNK GROUP MUX
D-1236	LS CABLE DVR MODEM
D-1023	LJJP JK
D-1235	CABIE CAYDNT

TR-170(v2)	MD-1026
AAAU362	KY-68
AAAU090	KC-91
AAAU103	KY-58
AAAU011	KG-84
AAAU012	KY-13
AAA0115	ID-1236
AAAD0129	HD-1023
AAA0152	ID-1235
AAA0164	HD-1022
AAA0572	HD-1023

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RRC-173
RC-103(V4)
D-1026
C-1027
RADIO TERMINAL SET
RADIO SET
GROUP MODEM
C-1028

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COMPONENTS TO ASSEMBLAGES BY FORCE F-5 (OBJECTIVE SYSTEM) EXTRACTS THE COMPONENTS OF ASSEMBLAGES AND SHOWS ALL THE ASSEMBLAGES OF WHICH THEY ARE A PART AND BY QUANTITY FOR THE ACTIVE ARMY, NATIONAL GUARD, ARMY RESERVE AND TOTAL FORCE.

THE INFORMATION UNDER COLUMN HEADINGS IS :

1. CMAP KEY IN THE EQUIPMENT NUMBER IN THE DATA BASE.
2. ASBL KEY & THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE
3. NOMENCLATURE AND DESCRIPTION - EQUIPMENT IDENTIFICATION -
4. QUANTITY OF EACH EQUIPMENT PER ASSEMBLAGE.
5. ACT/ED - TOTAL ASSEMBLAGES AND COMPONENTS FOR ACTIVE ARMY IN THE FORCE.
6. NG/EQ - TOTAL ASSEMBLAGES AND COMPONENTS FOR NATIONAL GUARD IN THE FORCE.
7. RES/ED - TOTAL ASSEMBLAGES AND COMPONENTS FOR RESERVE ARMY IN THE FORCE.
8. TOT/ED - TOTAL ASSEMBLAGES AND COMPONENTS IN THE FORCE.
9. ACT - NUMBER OF ACTIVE ARMY UNITS IN THE FORCE.
10. NG - NUMBER OF NATIONAL GUARD UNITS IN THE FORCE.
- RES - NUMBER OF RESERVE ARMY UNITS IN THE FORCE.
- TOT - TOTAL NUMBER OF UNITS IN THE FORCE.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) 00 MAR 3,1981 (e).

QUESTIONS SHOULD BE ADDRESSED TO USASC-S112 AFTRWV 750-3182/3671.

DATE 02/06/01

COMPONENTS TO ASSEMBLAGES BY FORCE

AIJNSPP0095

PAGE 2

KEY NO. KEY NO.

NOMENCLATURE / DESC

••••• FORCE MODEL F-50• MULTIPLEX

EQUIPMENT • UNIT • QUANTITY
*****ASSEMBLAGES*****
ACT ARMY NAT GUARD RES ARMY 101/EQ

KEY NO.	CON'D	TD-1236	TNK GROUP MUX	QUAN-	UNIT	QUANTITY	NUMBER OF UNITS
		TRC-170(IV2)	TAC DIGITAL TROP0	ASBL			
		TRC-173	RADIO TERMINAL SET				
AAD129	AA0015	TRC-170(IV1)	TAC DIGITAL TROP0 10KW				
	AA0052	TRC-173	RADIO TERMINAL SET				
	AA0084	TRC-170(IV1)	TAC DIGITAL TROP0 10KW				
	AA0085	TRC-(ID1)	-TRC-113 MOD (PIP)				
AAD151		MD-1024	HS CABLE DVR MODEM				
	AA0058	TSQ-111(IV1)	COMM NODAL CTRL ELEM				
	AA0067	TRC-138	RADIO REPEATER SET (MOD)				
	AA0118	TSQ-111(IV3)	COMM NODAL CTRL ELEM				
	AA0144	TRC-175	RADIO TERMINAL SET				
AAD152		MD-1023	LS CABLE DVR MODEM				
	AA0091	TRC-174	RADIO REPEATER SET				
	AA0014	TRC-170(IV3)	TAC DIGITAL TROP0 1KW				
	AA0015	TRC-170(IV2)	TAC DIGITAL TROP0				
	AA0052	TRC-173	RADIO TERMINAL SET				
	AA0058	TSQ-111(IV1)	COMM NODAL CTRL ELEM				
	AA0084	TRC-170(IV1)	TAC DIGITAL TROP0 10KW				
	AA0085	TRC-(ID1)	-TRC-113 MOD (PIP)				
	AA0118	TSQ-111(IV3)	COMM NODAL CTRL ELEM				
AAD153		MD-1025	RLGM-CABLE DVR MODEM				
	AA0052	TRC-173	RADIO TERMINAL SET				
	AA0058	TSQ-111(IV1)	COMM NODAL CTRL ELEM				
	AA0118	TSQ-111(IV3)	COMM NODAL CTRL ELEM				
AAD270		C-10716	ORDERWIRE CNTRL U TYPE 1				
	AA0001	TRC-174	RADIO REPEATER SET				
	AA0252	TRC-173	RADIO TERMINAL SET				
	AA0067	TRC-138	RADIO REPEATER SET (MOD)				
	AA0085	TRC-(ID1)	-TRC-113 MOD (PIP)				
AAG271		C-10717	ORDERWIRE CNTRL U TYPE 2				
	AA0052	TRC-173	RADIO TERMINAL SET				
	AA0085	TRC-(ID1)	-TRC-113 MOD (PIP)				
	AA0144	TRC-175	RADIO TERMINAL SET				
AAD464		TD-1235	LUDP GROUP MUX				
	AA0014	TRC-170(IV3)	TAC DIGITAL TROP0 1KW				
	AA0015	TRC-170(IV2)	TAC DIGITAL TROP0				
	AA0041	SP-3P65	AUTO SWBD (30L)				
	AA0042	SP-2865	AUTO SWBD (60L)				
	AA0084	TRC-170(IV1)	TAC DIGITAL TROP0 10KW				
AAD502		MD-1065	DIGITAL DATA MODEM				
	AA0001	TRC-174	RADIO REPEATER SET				
	AA0052	TRC-173	RADIO TERMINAL SET				
	AA0085	TRC-(ID1)	-TRC-113 MOD (PIP)				

END ITEM ASSOCIATED/ANCILLARY EQUIPMENT LIST BY FORCE

ITEM KEY NR	ASSOC KEY NR	NOMENCLATURE	ASSOC QUANT	EQUIP = UNIT QUANT			SELECTED FORCE				
				ACT	NG	RES	TOTAL	ACT	NG	RES	TOT
AA0140		TS-3647 CABLE ORDERWIRE UNIT		300	250	200	750	6	4	2	12
AA0090		B-5599 BATTERY	2	600	500	400	1500				
AA0091		H-182 HEADSET	1	300	250	200	750				

E X A M P L E

THIS OUTPUT PROVIDES THE TOTAL END ITEMS, BOTH STAND ALONE AND AS PART OF ASSEMBLAGES WITHIN A FORCE MODEL OR SELECTED FORCE. THE AMOUNT OF ASSOCIATED AND/OR ANCILLARY ITEMS FOR THESE END ITEMS ARE SHOWN BY ACTIVE ARMY, NATIONAL GUARD, RESERVE AND TOTAL FORCE.

----- BDI FILE BY FORCE F-5 (OBJECTIVE SYSTEM) PROVIDES A LISTING OF ALL THE EQUIPMENT IN THE FORCE. THE EQUIPMENT IS LISTED IN EACH TIE, THE TOTALS OF EACH TIE, AND THE TOTALS OF EQUIPMENT IN THE FORCE.

THE LIFE AND WORK OF JESSE HARRIS

- 1 - KEY NUMBER - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.

2 - EQUIPMENT AND DESCRIPTION - EQUIPMENT IDENTIFICATION.

3 - TDE NR / TDE NAME - UNIT IDENTIFICATION.

4 - ED JUAN - A UNIT OF EQUIPMENT FOR EACH TDE.

5 - ACT/F3 - TOTAL ACTIVE ARMY EQUIPMENT IN THE FORCE.

6 - NG/EO - TOTAL NATIONAL GUARD EQUIPMENT IN THE FORCE.

7 - RES/ER - TOTAL ARMY RESERVE EQUIPMENT IN THE FORCE.

8 - TTD/ED - TOTAL EQUIPMENT IN THE FORCE.

9 - ACT - NUMBER OF ACTIVE ARMY UNITS IN THE FORCE.

10 - NG - NUMBER OF NATIONAL GUARD UNITS IN THE FORCE.

11 - RES - NUMBER OF RESERVE ARMY UNITS IN THE FORCE.

12 - TTD - TOTAL NUMBER OF UNITS IN THE FORCE.

LAST REVISION DATE: 10-10-1998

QUESTIONS SHOULD BE ANSWERED IN THIS SECTION 780-3182/3671

DATE 03/15/91

FORCE 4001

AL14SP0028

PAGE 2

KEY # V34ECLATURE / DESCRIPTION

EQJIP = UNIT • QUANTITY
ACT/FD MATE/EQ RES/EQ ACT/NAT RES/CU

* FORCE MODEL F-5*

40001 TRC-174 RADIO REPEATER SET
11100 11100-1000 SIG SPT CJ ASA-CE
11113 1000 SIG JPS CJ ADA 6
11115 1000 SIG BN AREA (11+3) 6
11115 1000 115 SIG 3N TELECJ 29
11117 1000 CBT SIG TELECO C 2
111505 5000 CJ TRANSMISSION C 9
111503 5000 CJ SJPPDJ 1
111512 4000 PLT FWD AREA 5
111512 4000 PLT FWD AREA 3

TOTALS

40002 ACS CJ44 SSBL

17035 1000 SJ AIR CAVALRY
17135 1000 SJ AIR CAVALRY
17205 1000 SJ AIR CAVALRY
17275 1000 SJ AIR CAVALRY

EXAMPLE

40006 459-114 TACSAT CONTROL CENTRE
11100 11100-1000 HI RCT CAVALRY

40007 11100 11100-1000 HI RCT CAVALRY

TOTALS

40008 11100 11100-1000 HI RCT CAVALRY

TOTALS

40009 11100 11100-1000 HI RCT CAVALRY

TOTALS

40010 11100 11100-1000 SJ CAVALRY

TOTALS

40011 11100 11100-1000 SJ CAVALRY

TOTALS

40012 11100 11100-1000 SJ CAVALRY

TOTALS

40013 A/4 304 3P COMM TRAC 111042 1000 11C 300
37042 1000 4HC 300

TOTALS

40014 TRC-1701V3 TAC DIGITAL TRPC 1K 05515 5000 8 443 PERSONNEL
05515 4000 3N 1HB PERS 443 6
05517 5000 9N 3FY PE 443 6
11357 1000 SIG LT TRUCK C 1
11505 5000 CJ TRANSMISSION 16
11901 4000 SPEC REG 2
11901 4000 SPEC REG 4

TOE FILE BY FORCE F-5 OBJECTIVE SYSTEM! PROVIDES A LISTING OF ALL THE TOEs IN THE FORCE THAT CONTAIN THE SELECTED EQUIPMENT. THE EQUIPMENT AND QUANTITY IN EACH TOE, AND THE TOTALS OF EQUIPMENT IN THE FORCE.

THE INFORMATION UNDER COLUMN HEADINGS IS :

- 1 - SRC / TOE / TOE NAME - UNIT IDENTIFICATION.
- 2 - KEY NUMBER - THE PERMANENT NUMBER OF AN EQUIPMENT IN THE DATA BASE.
- 3 - NOMENCLATURE AND DESCRIPTION - EQUIPMENT IDENTIFICATION.
- 4 - ED / JUAN - AMOUNT OF EQUIPMENT PER EACH TOE.
- 5 - ACT/EQ - TOTAL ACTIVE ARMY EQUIPMENT IN THE FORCE.
- 6 - NG/EQ - TOTAL NATIONAL GUARD EQUIPMENT IN THE FORCE.
- 7 - RES/EQ - TOTAL ARMY RESERVE EQUIPMENT IN THE FORCE.
- 8 - TOT/EQ - TOTAL EQUIPMENT IN THE FORCE.
- 9 - ACT - NUMBER OF ACTIVE ARMY UNITS IN THE FORCE.
- 10 - NG - NUMBER OF NATIONAL GUARD UNITS IN THE FORCE.
- 11 - RES - NUMBER OF RESERVE ARMY UNITS IN THE FORCE.
- 12 - TOT - TOTAL NUMBER OF UNITS IN THE FORCE.

LAST REVISION TO THE DATA BASE WAS MADE ON (REVISION DATE) (** MAR 3,1981 **).

QUESTIONS SHOULD BE ADDRESSED TO JSASC-SIMD AUTOVON 780-3182/3671.

DATE 03/17/81

TDE # TDE NAME

*FORCE MODEL F-5 **

KEY # MIMICLATURE/DESCRIPTION
NOTE: AN * IN THE DENOTES A COMPONENTFORCE MODEL TDE EQ EQUIPMENT UNIT * QUANTITY
ACT NAT RES TOT

01137H*** CO ARMY	AA0092	TA-312	TELEPHONE SET	10
	AA0106	KY-57	SPEECH SECURITY EQUIP	0
	AA0111	KY-58	SPEECH SEC EQUIP ABN	0
	AA0115	KYK-13	KEY GEN	0
	AA0150		SECURE CONVERTER 11	1
	AA0195	ARC((V))	RADIO SET AIR	20
	AA0380	TSC-71	AFCY COORD CENTER	1
			TOTALS	

01165H*** BN ASLT SPT

	AA0041	53-3865	AUTO SWBD (60L)	1
	AA0063	53-72	REFUG TELEPHONE MANUA	1
	AA0102		REFUG ECRNTZL	14
	AA0192	TA-312	TELEPHONE SET	43
	AA0105	KY-57	SPEECH SECURITY EQUIP	0
	AA0111	KY-58	SPEECH SEC EQUIP ABN	0
	AA0112	K5-34	DED LCP ENCLP DEVIC	1
	AA0115	KYK-13	KEY GEN	0
	AA0134	UXC-4	TAC DGT FACSIMILE	1
	AA0141	TA-75+	DIG VDN-SEC TP	20
	AA0183		TACSAT S/C TERMINAL	1
	AA0192	GRC((V))	RADIO SET VEHICLE	6
	AA0193	GRC((V))	RADIO SET VEHICLE	9
	AA0194	GRC((V))	RADIO SET VEHICLE	5
	AA0195	ARC((V))	RADIO SET AIR	100
	AA0366	UIC-1	INTERCDV SET	1
			TOTALS	

EXAMPLE

01207H*** J AIR TRAFFI

	AA0043	53-22	SMBD TELEPHONE MANJA	1
	AA0082		REFUG ECRNTZL	1
	AA0192	TA-312	TELEPHONE SET	25
	AA0172	KY-57	SPEECH SEC EQUIP	0
	AA0111	KY-58	SPEECH SEC EQUIP ABN	0
	AA0112	K5-34	DED LCP ENCLP DEVIC	28
	AA0115	KYK-13	KEY GEN	0
	AA0150	ARC((V))	SECURE CONVERTER 11	1
	AA0191	GRC((V))	RADIO SET MAPPACK	18
	AA0192	GRC((V))	RADIO SET VEHICLE	14
	AA0193	GRC((V))	RADIO SET VEHICLE	2
	AA0195	ARC((V))	RADIO SET AIR	9
	AA0379	TSC-61	FLIGHT COORD CENTER	9
			TOTALS	

01252H*** 4HC GRP COMM

	AA0042	53-3855	AUTO SWBD (60L)	1
	AA0043	5B-22	SMBD TELEPHONE MANUA	2

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APPENDIX G. DRAFT ARMY REGULATION 15-23

ARMY REGULATION
No. 15-23

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 1981

BOARDS, COMMISSIONS, AND COMMITTEES
INTEGRATED TACTICAL COMMUNICATIONS SYSTEM (INTACS)
STEERING COMMITTEE AND SYSTEMS INTEGRATION MANAGEMENT
Effective _____ J

Local supplementation of this regulation is permitted but not required.

1. Purpose. This regulation establishes the Integrated Tactical Communications System (INTACS) Steering Committee as a continuing committee to guide the INTACS Implementation and Systems Integration Management.

2. Background. The INTACS Study identified an objective tactical communications system which will best meet the needs of the Army in the time-frame 1976-1997. With the approval of the study implementation, the INTACS Study Advisory Group (SAG) now transitions into a Steering Committee to guide the INTACS Implementation and Systems Integration Management.

INTACS is not a hardware system. INTACS is the Army's first comprehensive flexible, cost-effective master plan that merges into a multi-billion dollar system the organizational structure, doctrine and more than 50 major end items of equipment. This inventory and developmental hardware comes from several major sources. Some examples are: the Joint Tactical Communications Office (TRI-TAC); Satellite Communications Agency (SATCOMA); Project Manager, Multi-Service Communications System (PM, MSCS); Army Tactical Communications System (ATACS); Project Manager, Single Channel Ground and Airborne Radio Systems (SINCGARS); and the National Security Agency (NSA). The complexities involved in ensuring that hardware and personnel are

fielded in the proper mix and at the proper time precludes INTACS Implementation and Integration by exclusive use of the staff action process.

3. Mission. a. The INTACS Steering Committee and the Systems Integration Management Office will oversee the implementation and integration progress of INTACS and provide guidance to the appropriate agencies in response to future changes in funding levels, doctrine requirements, and equipment development programs. Overall guidance will be provided to the agencies listed below, and to others as required, to ensure that timely inputs are received by the Systems Integration Management Office and its automated programs.

b. The U.S. Army Signal Center will provide the Transition Plan for continuing operation of INTACS implementation and integration utilizing the SIMO data bases and operational programs. The flow process for the information inputs and outputs to accomplish this operation is shown in Figure 1.

4. SIMO Automated Programs (formerly AIIMS) and Data Base. The INTACS Study established the requirement for the SIMO Data Base as a means to manage the myriad actions required during the transition to the objective system. The SIMO Data Base is a system of automated data bases and coordination requirements of all agencies concerned with INTACS, Transition and Integration and provides meaningful output summaries and schedules to guide further actions. To keep all data current, periodic inputs are required from the agencies shown:

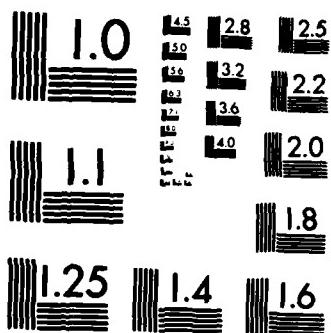
- | | |
|--|----------|
| o Budget (Actual and Projected) | DA Staff |
| o Program Objective Memorandum (POM) | DA Staff |
| o DA Master Priority Listing (DAMPL) | DA Staff |
| o Equipment Costs | DA Staff |
| o Army Acquisition Objectives (AAO) | DA Staff |
| o RDAC Sheets | DA Staff |
| o Initial Operational Capability (IOC) | DARCOM |
| o Equipment Production Rates | DARCOM |
| o TOE and BOIP | TRADOC |
| o Force Model Equipment Lists | SIG CEN |

AD-A127 620 INTEGRATED TACTICAL COMMUNICATIONS SYSTEM (INTACS)
TRANSITION PLAN(U) MARTIN MARIETTA DENVER AEROSPACE CO 3/3
31 MAR 81 DAAK21-79-C-0161

UNCLASSIFIED

F/G 17/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

o Current Issue Status	DESCOM
o Issues, Turn-Ins, Redistribution	DESCOM
o Annual Procurement Lists	DA and SIG CEN
o Training Requirements Per Equipment	SIG CEN (QQPRI)
o MOS Course Dates by Student Quantity	SIG CEN
o Attrition Factors by MOS	SIG CEN
o MOS and Personnel Quantity Per Equipment	SIG CEN (QQPRI)
o MOS Course Lengths	SIG CEN
o Personnel Shipping Time To Unit	DA Staff
o Logistics Lead Time For Equipment	DA Staff
o Production Schedules	DARCOM

In turn, SIMO will provide output to the appropriate agencies concerning equipment and force summaries, current force status, equipment procurement lists, predicted year by year procurement for the objective system, fielding schedules, and other schedules and extracts (as required) by electronic and/or regular mail.

5. Composition. a. The INTACS Steering Committee will consist of representatives in the grade of O6, civilian equivalent, or higher, from the following:

- (1) Office of the Assistant Chief of Staff for Automation and Communication. Provides the chairman for the INTACS Steering Committee.
- (2) Office of the Deputy Chief of Staff for Operations and Plans (ODCSOPS).
- (3) Office of the Deputy Under Secretary of the Army (Operations Research) (ODUSA-OR).
- (4) Office of the Deputy Chief of Staff for Personnel (ODCSPER).
- (5) Office of the Deputy Chief of Staff for Logistics (ODCSLOG).
- (6) Office of the Deputy Chief of Staff for Research, Development and Acquisition (ODCSRDA).
- (7) Office of the Comptroller of the Army (OCA).

- (8) Office Chief of Staff, United States Army (Management Information, Systems Directorate) (OCSA (MISD)).
- (9) Office of the Assistant Chief of Staff for Intelligence (OACSI).
- (10) US Army Material Development and Readiness Command (DARCOM).
- (11) US Army Intelligence and Security Command (INSCOM).
- (12) US Army Communications Command (USACC).
- (13) US Army Forces Command (FORSCOM).
- (14) US Army Training and Doctrine Command (TRADOC).

b. A non-voting recorder, who will prepare agenda items for each meeting and publish and distribute minutes of committee meetings, will be provided by the Office of the Assistant Chief of Staff for Automation and Communications (ACSAC).

c. The chairman may invite representatives from other DOD agencies to participate as non-voting observers.

5. Direction and Control. a. The committee/will meet at the call of the chairman, Assistant Chief of Staff for Automation and Communications (ACSAC).

b. The chairman will solicit from the members, items for the agenda of each meeting.

c. The chairman may convene working sessions of the committee, as required.

d. Agencies/Commands cited in paragraph 4a will designate a primary and alternate member to the committee and provide their names and telephone numbers to ACSAC, ATTN: DAAC-SI within ten working days after a receipt of this regulation.

6. Administrative Support a. All administrative support (space, clerical, and equipment will be provided by the agency/hosting the meeting.

b. Funds for travel, per diem, and other expenses will be provided by the parent organization of the representative.

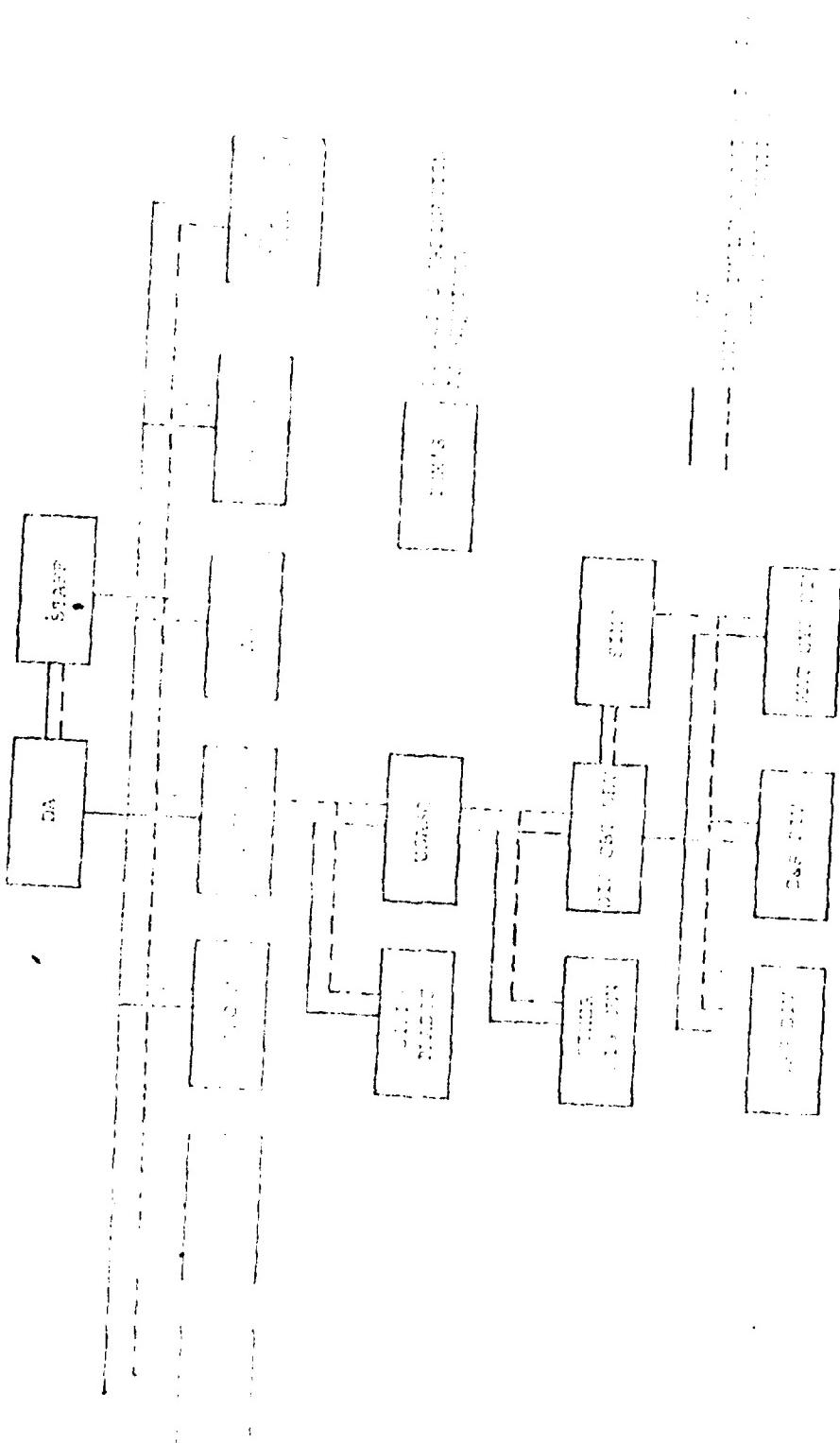


Figure 1. INDOO Integration and Interconnection Structure

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